

June 8, 2021

Linda Meyer
USEPA Region 10
1200 Sixth Avenue, Suite 155 (ECL-122)
Seattle, Washington 98101

Re: Midnite Mine Monthly Report – May 2021; Midnite Mine Superfund Site, Spokane Indian Reservation, WA, RD/RA Consent Decree, No. CV-05-020-JLQ

Dear Ms. Meyer:

In accordance with the RD/RA Consent Decree (CD) for the Midnite Mine, the following presents the Monthly Report for May 2021. The requirements for the Monthly Report as specified in the CD and the associated Statement of Work (SOW) are quoted, followed by the required information:

a) Describe the actions which have been taken toward achieving compliance with this Consent Decree during the prior month:

- Interim Water Treatment Plant and Surface Water Collection System Operation
 - The WTP began seasonal operation in April 2021. The surface water collection system continued to operate as usual in May.
 - As previously reported, leaks have been discovered in the primary liner in both the East and West Cell of the South Pond. Work continued in May to dewater and repair the leaks in both of the cells of the South Pond. That work is anticipated to be completed in June.
- Phase I RD/RA OM&M Plan (including QAPP, HASP)
 - None.
- Sitewide Monitoring Plan (SMP)
 - Surface water samples for the first half of 2021 were taken March 15–23 and April 1, 2021. Groundwater samples for the first half of 2021 were taken April 7-22, 2021. The SMP First Half Data Transmittal for the surface water and groundwater samples will be submitted 30 days once the final laboratory report is received per the SMP QAPP.
- Residuals Management Plan (RMP) / Sludge Management
 - On May 20, 2014, Revised SOPs for managing residuals at the WTP were submitted to EPA. Comments were received from EPA on June 12, 2014. Responses to comments and revised SOPs were submitted on June 30, 2014.
 - In accordance with the RMP, the off-site rule notification was submitted to EPA on May 17, 2021 for shipment of sludge to the Energy Fuels Facility in Utah. EPA provided notice

on May 17 that the Energy Fuels Facility remained in compliance with the off-site rule through July 16, 2021.

- WTP sludge solids were shipped to Energy Fuels in May. A total of 21 sacks were shipped with 7 sacks shipped each on May 11, 18 and 25, 2021. The total volume of sludge shipped in May was 2688 ft³.

- Pre-Design Data Needs Report

The following summarizes the open and on-going items related to the Pre-Design Data Needs:

- A (b) (6) Borrow Area Plan of Operations was submitted to the Tribe on October 9, 2012. Comments were received from the Tribe on August 26, 2013. Responses to these comments were submitted to the Tribe on September 6, 2013. A Revised Plan of Operations (POO) was submitted to the Tribe on November 12, 2013. On February 24, a resolution from the Spokane Tribal Council was received authorizing use of the (b) (6) property with conditions. Additional modifications to the POO including an updated cost estimate were submitted to the Tribe.
- On July 30, 2014, DMC was granted an Administrative Conditional Use Permit (ACUP) with a final decision and determination of non-significance from Stevens County to develop the (b) (6) Borrow Area.
- Additional permits will be required prior to the development of the resources. The first use of borrow material from the (b) (6) Borrow Area is scheduled for the summer of 2023. It is anticipated that application for the remaining permits will be submitted before December 2021. These permits include:
 - Forest Practices Act Permit – WA State DNR
 - Mine Reclamation Permit – WA State DNR
 - Storm Water NPDES – EPA
 - 401 Certification – Tribe
- As EPA requested, Midnite Mine Western Drainage Alluvial wells pumping rates, water levels, and the updated version of Figure 1 from the testing plan is included in the monthly report as Attachment 1.
- The fieldwork for Phase I of the Work Plan for Whitetail Creek Sediment Evaluation was completed on August 23, 2013, and the Phase I Data Transmittal Report providing the results and proposed Phase II sampling was submitted on September 6, 2013. Additional information was provided on September 18, 24, and 27th. Upon discussion of the results with EPA, EPA requested that the scope of work for the Phase II investigations be modified from the Work Plan. EPA provided written comments on September 30, 2013. Additional information was provided to EPA on October 9, 2013, documenting the agreed upon modifications. The Phase II field investigation and sampling was conducted the week of October 14, 2013. The Phase I, Revision 1 Data Transmittal Report, response to EPA comments, and Phase II, Revision 0 Data Transmittal Report were submitted to EPA February 20, 2014. EPA provided comments on the Phase II Report on May 19, 2014. A

Revised Phase II report and response to comments was submitted to EPA on June 18, 2014. EPA provided another set of comments on July 24, 2014. A Response to Comments and Revised Phase II report was submitted to EPA on August 25, 2014.

- The final work plan to investigate the old Man Camp well as a possible water supply source was submitted on June 5, 2013. On October 2 and 3, 2013 a new Water Supply Well for the Midnite Mine was located, drilled and completed for possible use as a potable water supply during remedy implementation. The well was developed on October 4, 2013 using air lift for 3 hours. The well produced 4 to 5 gpm during the entire development process without going dry. The pumping tests and water quality analyses were initiated May 20, 2014, and final laboratory data were received in August 2014. The data evaluation report was submitted to EPA on November 21, 2014. It was requested by EPA on December 2 to resample the well for water quality analyses to include total metals, field parameters and general chemistry. The well was resampled on January 8, 2015, and results were received on January 28, 2015. The updated Man Camp well report with the supplemental data was submitted on February 27, 2015.
- A work plan for the installation of the additional monitoring wells requested by the Tribe in the lower portion of Blue Creek was submitted on March 3, 2014. Comments were received from EPA on April 9, 2014. A revised work plan and Response to Comments was submitted to EPA on May 9, 2014. Additional comments were received from EPA on May 16. A Revised work plan, QAPP and response to comments were submitted to EPA on May 29, 2014. EPA approved the work on May 30, 2014. The wells were installed in October. A well completion report was submitted on December 1, 2014.
- A revised Blue Creek and Delta Assessment Work Plan was submitted on August 28, 2020. Comments from EPA were received on January 11, 2021. A meeting was held on January 14, 2021 to discuss the Work Plan and EPA provided an e-mail on February 2, 2021 stating that the Work Plan should include biological components. A revised Work Plan was submitted on March 29, 2021.

- Fencing and Signage Plan

The fence inspection report for May is included as Attachment 2. The October inspection identified area where minor repairs to the fence will be required. These repairs will occur in June.

- Treatability Test Plan (TTP)

- A Response to the EPA Pilot Scale Study Comments and Revised Report was submitted to EPA on March 7, 2013.

- Interim Water Treatment Plant Modification

- On February 1, 2013, modifications were made to the previously approved filter press design to change the location of the press. On February 20, 2013, EPA conditionally approved the design of the filter press. On March 25, 2013, a response was submitted to address the conditions in the approval. On April 4, EPA commented on the radon

mitigation measures for the filter press building. Responses to those comments and design modifications were submitted on April 9, 2013. On April 15, 2013, the Work Plan, Quality Assurance Plan and the Health and Safety Plan for the construction of the Filter Press were submitted. Comments on these documents were received on May 7, 2013. Revisions to address the comments were submitted on June 6. Construction of the filter press was initiated in July 2013. A pre-final inspection was conducted by EPA contractors on February 19, 2014. The filter press construction was completed in March. A site inspection was conducted by EPA contractor on May 22, 2014. A final inspection report was received on June 13, 2014. A completion report was submitted on July 11, 2014.

- EPA WQX Database

→ There were no data submitted to WQX database in May.

- Remedial Design

→ As approved by the EPA, the design of the WTP and discharge pipeline was held at the 60% stage pending the ongoing NPDES permitting process. The 90% design for the WTP was submitted on August 27 and the 90% design of the discharge pipeline was submitted on August 29, 2018. EPA provided comments to the 90% design documents on October 9, 2018. The 100% design for the WTP and discharge pipeline was submitted on December 4, 2018. EPA was notified during a meeting on February 5, 2019 that the WTP design was being re-evaluated and additional information would be provided to support the redesign. On April 22, a memorandum entitled "Revised water balance model results for Water Treatment Plant with capacity for 250 gpm continuous operation" was submitted to EPA to support the resizing of the WTP. The annual treatment volumes from 1995 through 2018 were submitted to EPA on May 24 to further support the 250 gpm plant size. Comments on the memorandum were received from EPA on June 10. Responses to those comments and a revised memorandum was submitted on July 10. EPA approved the design change to a treatment flow rate of 250 gpm for the new WTP on July 25. A teleconference meeting with EPA and Tribal representatives was held on May 21, 2020 to discuss alternatives to the pipeline route. A letter was received from the Spokane Tribe on September 10, 2020 in which they supported the consideration of a new alignment of the pipeline route.

The modified preliminary WTP design was submitted on November 16, 2020. EPA provided comments to the preliminary design on December 15 and 21, 2020. Responses to those comments were sent on January 26, 2021. On February 3, EPA provided notice that the responses to comments on the preliminary design were acceptable. On March 2, 2021 the Final WTP was submitted. EPA provided comments to the Final Design on March 16. Responses to these comments were submitted on May 4, 2021. EPA provided additional comments on May 12.

The Pipeline design was submitted on November 18, 2020. It was noted that the submitted pipeline design included the original pipeline route. However, an evaluation of the alternative pipeline route proposed by the Tribe will be conducted and the pipeline design will be modified if the alternative route is chosen. Field work to support the evaluation was

completed in April and laboratory testing of samples obtained in April and technical evaluations continued in May. The pipeline design was approved on December 8, 2020.

- An Institutional Controls and Implementation and Assurance Plan (ICIAP) was submitted to EPA on May 11, 2012. On September 30, 2013, EPA disapproved the plan and provided comments. A response to comments and revised ICIAP was submitted February 20, 2014.
- On December 10, 2014, EPA submitted a letter outlining additional requirements for determination of wetlands and waters of the US to be in substantive compliance with Section 404 of the Clean Water Act. A meeting was held with EPA on December 18, 2014 to discuss these issues. Preliminary data were submitted via e-mail to EPA to address specific issues outlined in the December 10 letter on January 26, 2015. A more detailed wetlands delineation report was submitted on February 2, 2015. Additional information on the delineation was requested on February 26 and was submitted on March 9, 2015. A conceptual wetlands mitigation plan was submitted on March 16, 2015. A site visit to review wetlands issues occurred on April 14-16, 2015. A revised wetlands delineation report incorporating information from the field trip was submitted on May 8, 2015. A meeting was held on July 16 to discuss the anticipated hydrologic conditions in the drainages and wetlands after implementation of the Remedy. EPA provided their field summary on September 8, 2015.

- Remedial Action

The Remedial Action Work Plan (RAWP) specified information that would be submitted in the monthly report relative to the Remedial Action (RA). Each of these items are addressed below.

- Progress made this month

- COVID-19 workplace social distancing and sanitation requirements continued to be followed for all personnel during May.
- Storm water management continued as specified in the Storm Water Management Plan.
- Spill Prevention, Control and Countermeasures Plan (SPCC) inspections continued as specified in the SPCC Plan.
- The Pit 4 sumps were checked for level and pumped when necessary, with the logging of data uploaded to the project data electronic repository.
- Construction activities in May consisted of the following:
 - Crushing and Screening materials for drain gravel and liner bedding.
 - Excavation and placement of material from the South Waste Rock Pile into Pit 4.

- Excavation and placement of material from the upper Pit 4 Overburden Pile into Pit 4.
- Evaluation and repair of the South Pond.
- Relocation of the topsoil stockpile from the South Construction Support Zone.
- Installation of the South Pond piezometer and dewatering wells.
- Begin installation of the Pit 3 rockfall protection.
- Problems resolved last month
 - There were no problems last month.
- Problem areas and recommended solutions
 - None
- Deliverables submitted last month
 - Deliverables associated with the RA which remained open in May included the following:
 - The 2018 Annual ALARA (as low as reasonably achievable) report as required by the Radiation Protection Plan was submitted on April 4, 2019. EPA provided comments to this report on June 10, 2019. Responses to comments and a revised report were submitted on July 26. EPA provided preliminary comments on the report on July 29 and provided additional comments on August 19. EPA provided additional comments on September 24, 2019. Responses to these comments were submitted on October 8. Additional comments were received from EPA on April 1. Responses to those comments were submitted on April 23, 2020.
 - The 2019 Annual ALARA (as low as reasonably achievable) report as required by the Radiation Protection Plan was submitted on April 23, 2020. EPA provided comment on this report on May 10, 2021 and suggested that responses to the 2018 and 2019 ALARA audits be incorporated into the 2020 ALARA report.
 - An updated Remedial Action Construction Schedule (Appendix X of the RAWP) was submitted on November 16, 2020.
 - The 2020 Vegetation Monitoring Report for the reclaimed West Access Road was submitted on December 1, 2020.
 - The 2021 Pit 4 Overburden Waste Removal Work Plan was submitted on March 5, 2021. On March 8, EPA requested a clarification to figures in the Work Plan. Updated figures were submitted on March 15 and March 18. On April 8, EPA requested additional clarification and additional figures were submitted on April 9. EPA provided additional comments on April 13, 2021. A revised Work Plan was submitted on May 3. EPA provided additional comments on May 6. Responses to those comments and a revised plan was submitted on May 7. Additional comments were received from EPA on May 10 and 11. A revised Work Plan was

submitted on May 11 and EPA approved this revised work plan on May 11. A final version of the approved Work Plan was submitted on May 12, 2021.

- The 2020 Construction Annual Report was submitted on March 12, 2021.
- The Pit 3 Dewatering Work Plan was submitted on March 15, 2021. EPA provided comments to this plan on May 19, 2021.
- On March 17, 2021 an e-mail from the Spokane Tribe Natural Resources Department which stated that there are no eagle nests in the mine area was forwarded to EPA. An evaluation of eagle nests along the pipeline construction route was submitted to EPA on May 19, 2021. EPA provided a comment on this evaluation on May 24, 2021.
- On March 18, 2021, the revised Remedial Action Work Plan (RAWP) main text was submitted.
- An updated Appendix R of the RAWP (Staging/Temporary Stockpile Plan) was submitted on March 23, 2021.
- Replacement pages for the Emergency Response Plan (Appendix D of the RAWP) including the SPCC (Attachment 4 of Appendix D) were submitted on April 2, 2021.
- The 2021 Construction Water Management Plan was submitted on April 5, 2021. This plan was approved on May 18, 2021.
- An updated Health and Safety Plan was submitted on May 4, 2021.
- A Final Status Survey Work Plan for the South Construction Support Zone was submitted on May 7, 2021. EPA approved this plan on May 24 with a request to provide clarification on several issues.
- The New Access Road and Effluent Pipeline Work Plan was submitted on May 18. EPA provided comments on May 20, May 24 and May 27. Additional information was provided on May 21, 2021.
- Air Monitoring
 - Air monitoring results are included in the Weekly Construction Reports and are not repeated in this Monthly Report.
- Vertical Dewatering Wells
 - There were no issues with the construction or operation of the dewatering wells.
- Alluvial Dewatering Trenches
 - There were no issues with the construction or operation of the Alluvial Dewatering Trenches as construction for these trenches has yet to begin.
- Construction Water
 - There was 77,800 gallons of off-site and 2,574,600 gallons of on-site construction water utilized during May.

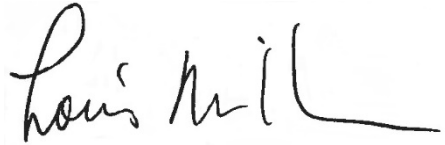
- Analysis of on-site water quality was performed according to the Construction Water Management Plan. The data and associated laboratory reports received in May are included in Attachment 3.
- Submittal Register
 - Items included in the submittal register are documented in the weekly reports and are not repeated in this Monthly Report.
- Storm Water Management
 - Implementation of storm water management best management practices (BMPs) continued in May in accordance with the Storm Water Management Plan. There were no storm water issues in May.
- Schedule updates/potential schedule delays
 - There were no schedule update or schedule delays in May.
- Activities planned for the next month
 - Activities planned for June 2021 include the following:
 - Continue storm water management measures in accordance with the Storm Water Management Plan.
 - Continued implementation of the Spill Prevention, Control and Countermeasures Plan (SPCC).
 - Continued operation of the site surface water collection system.
 - Continued evaluation of the COVID-19 situation and modification of site activities as necessary.
 - Construction Activities in June will include
 - Continued excavation of waste rock and placement into Pit 4.
 - Complete repair of the South Pond and begin initial pond filling.
 - Continue production of drain gravel and liner bedding material.
 - Begin mine waste removal from the South CSZ.
 - Continue installation of Pit 3 rockfall protection.
 - Begin construction of the New Access Road and Effluent Pipeline.
- Summary of confirmation sampling
 - None.
- Key personnel changes
 - None.
- Health and safety issues
 - None.

- Coordination activities
 - Routine coordination activities between Newmont, CQA/CQC contractors, and various other contractors and the EPA and Tribe occurred in May.
 - Project modifications/field adjustments/change orders
 - There were no field adjustments/change orders in May.
- b) *Include a summary of all results of sampling and tests and all other data received or generated by Settling Defendants or their contractors or agents in the previous month;*
- There was 0.34 inches of precipitation recorded in May at Midnite Mine. The daily weather data output for May, which is collected on-site as part of the air monitoring system, is included in Attachment 4. Flow in the Western Drainage was approximately 36 gpm on May 3, and decreased to approximately 30 gpm on May 28.
- c) *Identify all plans, reports and other deliverables required by this Consent Decree completed and submitted during the previous month;*
- Submittals associated with the RA are detailed above.
- d) *Describe all actions, including, but not limited to, data collection and implementation of work plans, which are scheduled for the next six weeks and provide other information relating to the progress of construction, including, but not limited to, critical path diagrams, Gantt charts and Pert charts;*
- Work as part of the RA will continue as discussed above.
- e) *Include information regarding percentage of completion, unresolved delays encountered or anticipated that may affect the schedule for implementation of the Work, and a description of efforts made in the previous month to mitigate those delays or anticipated delays;*
- An updated Remedial Action Construction Schedule (Appendix X of the RAWP) was submitted to EPA on November 16, 2020. Future evaluation of construction activities will be discussed relative to this schedule.
- f) *Include any modifications to the work plans or other schedules that Settling Defendants have proposed to EPA or that have been approved by EPA during the previous month;*
- None.
- g) *Describe all activities undertaken pursuant to Paragraph 110 during the previous month and those to be undertaken in the next six weeks;*
- Mr. Ricky Sherwood, the community liaison, continued to received notifications and updates of meetings, construction activities and major mobilization and demobilization activities.
 - Communications continue with Tribal representatives.
 - Members of the Tribal Council visited the site in May.

We trust that this information satisfies the Monthly Progress Report requirements of the CD. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,

WORTHINGTON MILLER ENVIRONMENTAL, LLC

A handwritten signature in black ink, appearing to read "Louis Miller", with a long horizontal stroke extending to the right.

Louis Miller
Supervising Contractor

cc: Brian Crossley, Spokane Tribe of Indians
Bill Lyle, Newmont Mining Corporation
Mark Henry, Jacobs

ATTACHMENT 1

Western Drainage Alluvial Wells

Date	Pumping Rates PBW-01 (gpm)	Pumping Rates PBW-02 (gpm)	Water Levels ¹ PBW-01 (ft amsl)	PBW-01 Notes	Water Levels ¹ PBW-02 (ft amsl)	PBW-02 Notes
01/03/12	0.88	0.86	2392.33		2386.78	
01/09/12	0.89	0.84	2392.33		2386.78	
01/17/12	0.85	0.81	2393.03		2386.78	
01/23/12	0.86	0.83	2392.42		2386.79	
01/31/12	0.95	0.87	2397.94	pump replaced 1/30/12	2386.80	
02/07/12	0.87	0.8	2392.33		2386.79	
02/13/12	1.0	0.88	2396.21		2386.79	
02/20/12	0.89	0.84	2392.28		2386.79	
02/27/12	0.93	0.84	2392.27		2386.79	
03/05/12	0.89	0.81	2392.28		2386.79	
03/12/12	0.87	0.84	2392.26		2386.80	
03/16/12	0.98	0.91	2392.82		2386.80	
03/19/12	0.99	0.88	2392.41		2386.80	
03/28/12	1.14	0.95	2398.87		2386.79	
04/01/12	1.35	1.05	2398.67		2386.93	
04/07/12	1.25	0.9	2392.28		2386.80	
04/09/12	1.17	0.88	2392.27		2386.79	
04/13/12	1.0	0.87	2392.28		2386.80	
04/17/12	0.96	0.84	2392.28		2386.80	
04/23/12	0.90	0.83	2392.28		2386.79	
05/02/12	0.91	0.84	2392.28		2386.80	
05/11/12	0.90	0.89	2392.28		2386.81	
05/15/12	0.86	0.88	2392.28		2386.82	
05/21/12	0.87	0.78	2392.28		2386.83	
05/29/12	0.85	0.82	2392.28		2386.83	
06/07/12	1.06	1.16	2394.37		2395.53	
06/11/12	0.92	1.11	2392.27		2386.85	
06/19/12	0.92	0.99	2392.27		2386.87	
06/25/12	0.97	0.96	2392.27		2386.85	
07/02/12	0.96	0.94	2392.27		2386.87	
07/09/12	0.95	0.35	2392.27		2386.85	cleaned flow meter
07/16/12	0.93	0.79	2392.27		2386.85	
07/24/12	0.92	0.81	2392.27		2386.88	
07/30/12	0.95	0.8	2392.27		2386.87	
08/06/12	0.88	0.78	2392.27		2386.89	
08/13/12	0.94	0.75	2392.28		2386.91	
08/20/12	0.8	0.56	2392.28		2386.90	installed new pump
08/27/12	0.88	0.97	2392.28		2386.81	
09/03/12	0.91	0.74	2392.28		2386.80	
09/11/12	0.89	1.01	2392.28		2386.83	
09/18/12	0.9	0.77	2392.28		2386.80	
09/24/12	0.89	0.76	2392.29		2386.79	
10/02/12	0.78	0.71	2392.29		2386.80	
10/08/12	0.8	0.75	2392.30		2386.81	
10/15/12	0.91	0.77	2392.30		2386.79	
10/22/12	0.94	0.8	2392.30		2386.81	
10/29/12	0.92	0.8	2392.31		2386.81	
11/05/12	0.92	0.8	2392.31		2386.81	
11/13/12	0.91	0.82	2392.30		2386.82	
11/21/12	0.97	0.88	2392.31		2386.85	
11/26/12	0.89	0.81	2392.31		2386.82	
12/03/12	0.97	0.89	2392.32		2386.84	
12/11/12	0.94	0.84	2392.32		2386.85	
12/17/12	0.98	0.85	2392.32		2386.83	
12/26/12	0.97	0.91	2392.32		2386.85	
12/31/12	0.94	0.89	2392.32		2386.87	
01/08/13	0.95	0.92	2392.27		2386.87	
01/14/13	0.97	0.93	2392.28		2386.88	
01/21/13	0.97	0.94	2392.28		2386.88	
01/28/13	0.98	0.94	2392.28		2386.89	
02/04/13	0.97	0.96	2392.28		2386.90	
02/11/13	1.00	0.94	2392.29		2386.90	
02/18/13	1.04	0.97	2392.30		2386.90	
02/25/13	1.07	0.98	2392.30		2386.90	
03/04/13	1.29	1.11	2398.65	turned up pump to 24 vdc on 3/4/13; then to 26 vdc on 3/5/13	2386.91	
03/11/13	1.4	1.13	2392.30		2386.91	
03/17/13	1.24	0.81	2392.30		2386.91	
03/24/13	1.08	0.79	2392.30		2386.91	
03/30/13	1.0	0.78	2392.30		2386.91	
04/08/13	1.07	1.17	2392.31		2397.38	pump not working; replaced
04/15/13	0.94	0.87	2392.29		2386.77	
04/18/13			2392.30			
04/22/13	0.9	0.84	2392.29		2386.79	
04/30/13	0.8	0.84	2392.29		2386.79	
05/06/13	0.81	0.83	2392.29		2386.80	
05/13/13	0.86	0.87	2392.29		2386.80	
05/20/13	0.85	0.82	2392.29		2386.80	
05/28/13	0.83	0.81	2392.29		2386.80	
06/04/13	0.81	0.8	2392.29		2386.80	
06/10/13	0.82	0.78	2392.29		2386.80	

Western Drainage Alluvial Wells

Date	Pumping Rates PBW-01 (gpm)	Pumping Rates PBW-02 (gpm)	Water Levels ¹ PBW-01 (ft amsl)	PBW-01 Notes	Water Levels ¹ PBW-02 (ft amsl)	PBW-02 Notes
06/17/13	0.82	0.78	2392.29		2386.80	
06/24/13	0.81	0.81	2392.29		2386.80	
07/01/13	0.82	0.76	2392.29		2386.81	
07/08/13	0.83	0.76	2392.29		2386.81	
07/16/13	0.84	0.72	2392.29		2386.83	
07/24/13	0.83	0.64	2392.29		2386.86	
07/29/13	0.83	0.62	2392.29		2386.86	
08/06/13	0.72	0.63	2392.29		2386.90	
08/12/13	0.75	0.76	2392.29		2386.91	
08/20/13	0.86	0.79	2392.29		2386.90	
08/27/13	0.84	1.04	2392.29		2395.47	recovering after power outage
09/02/13	0.82	0.84	2392.29		2386.90	
09/09/13	0.84	0.87	2392.29		2386.90	
09/17/13	0.85	0.85	2392.29		2387.23	
09/23/13	0.83	0.87	2392.29		2386.91	
09/30/13	0.86	0.92	2392.29		2386.78	
10/07/13	0.85	0.89	2392.29		2386.78	
10/15/13	0.83	0.86	2392.29		2386.78	
10/21/13	0.83	0.84	2392.29		2386.78	
10/28/13	0.8	0.84	2392.29		2386.78	
11/04/13	0.83	0.87	2392.29		2386.79	
11/13/13	0.82	0.80	2392.29		2386.78	
11/19/13	0.83	0.78	2392.29		2386.78	
11/25/13	0.87	0.79	2392.27		2386.78	
12/02/13	0.85	0.80	2392.27		2386.78	
12/09/13	0.87	0.81	2392.27		2386.78	
12/16/13	0.86	0.81	2392.27		2386.78	
12/26/13	0.86	0.82	2392.27		2386.78	
12/30/13	0.86	0.81	2392.27		2386.78	
01/06/14	0.82	0.8	2392.27		2386.78	
01/13/14	0.85	0.81	2392.27		2386.78	
01/21/14	0.84	0.8	2392.27		2386.78	
01/28/14	0.84	0.81	2392.27		2386.78	
02/03/14	0.82	0.8	2392.27		2386.78	
02/10/14	0.83	0.79	2392.27		2386.78	
02/17/14	0.96	0.84	2392.28	cleaned flow meter	2386.78	
02/24/14	0.84	0.97	2392.27		2386.78	cleaned flow meter
03/04/14	0.82	0.76	2392.27		2386.78	
03/10/14	1.12	0.93	2392.29		2386.78	
03/17/14	1.00	0.85	2392.29		2386.78	
03/24/14	0.92	0.86	2392.29		2386.77	
03/31/14	0.93	0.85	2392.29		2386.78	
04/07/14	0.91	0.82	2392.27		2386.78	
04/14/14	0.86	0.78	2392.27		2386.78	
04/21/14	0.86	0.82	2392.27		2386.78	
04/28/14	0.89	0.84	2392.28		2386.78	
05/05/14	0.88	0.80	2392.28		2386.78	
05/12/14	0.82	0.77	2392.28		2386.78	
05/19/14	0.82	0.75	2392.29		2386.78	
05/27/14	0.86	0.76	2392.29		2386.78	
06/02/14	0.84	0.72	2392.29		2386.78	
06/09/14	--	0.71	2392.28	flow meter broken	2386.78	
06/16/14	0.8	0.67	2392.28		2386.78	
06/23/14	0.8	0.74	2392.28		2386.78	
06/30/14	0.81	0.68	2392.28		2386.80	
07/08/14	0.8	0.67	2392.28		2386.81	
07/14/14	0.81	0.67	2392.28		2386.83	
07/21/14	0.82	0.67	2392.27		2386.81	
07/28/14	0.8	0.62	2392.28		2386.83	
08/06/14	0.84	1.12	2392.28		2396.07	recovering after power outage
08/11/14	0.8	0.79	2392.28		2386.83	
08/18/14	0.82	0.78	2392.28		2386.83	
08/25/14	0.83	0.78	2392.28		2386.84	
09/03/14	0.85	1.23	2392.28		2398.29	pump replaced
09/08/14	0.8	1.12	2392.28		2386.80	cleaned flow meter
09/15/14	0.78	0.89	2392.27		2386.80	
09/22/14	0.79	0.87	2392.27		2386.80	
09/23/14	NM	NM	2392.27		NM	
09/29/14	0.81	0.87	2392.27		2386.80	
10/06/14	0.8	0.83	2392.27		2386.80	
10/13/14	0.78	0.82	2392.28		2386.80	
10/21/14	0.8	0.83	2392.28		2386.80	
10/28/14	0.81	0.85	2392.28		2386.80	
11/03/14	0.79	0.84	2392.28		2386.79	
11/11/14	0.81	0.82	2392.28		2386.79	
11/18/14	0.79	0.79	2392.28		2386.79	
11/24/14	0.79	0.81	2392.28		2386.79	
12/01/14	0.8	0.81	2392.28		2386.79	
12/08/14	0.79	0.8	2392.28		2386.79	
12/17/14	0.79	0.77	2392.29		2386.79	

Western Drainage Alluvial Wells

Date	Pumping Rates PBW-01 (gpm)	Pumping Rates PBW-02 (gpm)	Water Levels ¹ PBW-01 (ft amsl)	PBW-01 Notes	Water Levels ¹ PBW-02 (ft amsl)	PBW-02 Notes
12/22/14	0.81	0.86	2397.78	turned up pump to 20 vdc to get WL back down	2386.79	
12/29/14	0.8	0.8	2392.29		2386.79	
01/05/15	0.8	0.8	2392.29		2386.79	
01/12/15	0.78	0.77	2392.29		2386.79	
01/19/15	0.86	0.78	2392.29		2386.79	
01/26/15	0.86	0.78	2392.29		2386.79	
02/02/15	0.81	0.74	2392.29		2386.79	
02/10/15	1.09	0.89	2392.30		2386.80	
02/17/15	0.95	0.77	2392.29		2386.79	
02/23/15	0.9	0.75	2392.29		2386.79	
03/02/15	0.88	0.71	2392.29		2386.79	
03/09/15	0.86	0.74	2392.29		2386.79	
03/16/15	1.01	0.79	2397.30		2386.79	
03/23/15	0.9	0.74	2392.29		2386.79	
03/29/15	0.89	0.71	2392.29		2386.79	
04/07/15	0.88	0.73	2392.29		2386.79	
04/13/15	0.86	0.70	2392.29		2386.79	
04/20/15	0.85	0.69	2392.28		2386.79	
04/27/15	0.83	0.67	2392.28		2386.79	
05/04/15	0.83	0.64	2392.28		2386.79	
05/11/15	0.81	0.58	2392.28		2386.79	
05/18/15	0.81	0.62	2392.28		2386.79	
05/26/15	0.82	0.6	2392.27		2386.79	
06/02/15	0.83	0.59	2392.28		2386.79	
06/09/15	0.81	0.58	2392.27		2386.79	
06/16/15	0.80	0.59	2392.27		2386.79	
06/22/15	0.80	0.53	2392.27		2386.79	
06/30/15	0.80	0.52	2392.27		2386.79	
07/06/15	0.79	0.54	2392.27		2386.79	
07/14/15	0.79	0.57	2392.27		2386.79	
07/20/15	0.78	0.58	2392.27		2386.79	
07/27/15	0.78	0.59	2392.27		2386.79	
08/03/15	0.77	0.57	2392.27		2386.79	
08/12/15	0.76	0.56	2392.27		2386.79	
8/17/15*	0.76	0.54	2392.27		2386.79	
09/10/15	0.75	0.58	2392.84		2386.81	
09/14/15	0.75	0.58	2392.27		2386.81	
09/21/15	0.76	0.55	2393.38		2386.81	
09/28/15	0.75	0.61	2392.27		2386.81	
10/05/15	0.80	0.59	2392.25		2386.81	
10/13/15	0.78	0.6	2392.27		2386.81	
10/19/15	0.81	0.77	2392.28		2386.81	
10/26/15	0.81	0.75	2392.86		2386.81	
11/03/15	0.82	0.86	2392.26		2386.81	
11/10/15	0.82	0.80	2392.26		2386.80	
11/16/15	0.82	0.76	2392.25		2386.81	
11/23/15	0.83	0.82	2392.26		2386.80	
11/30/15	0.82	0.79	2392.25		2386.80	
12/07/15	0.89	0.84	2398.40	turned up pump to 20 vdc to get WL back down	2386.81	
12/14/15	1.15	1.04	2401.17	pump 22 vdc	2397.27	circuit breaker feeding pump back well pumps tripped out; fixed problem and reset breaker
12/21/15	0.88	0.78	2392.25		2386.81	
12/28/15	0.86	0.79	2392.26		2386.81	
01/04/16	0.87	0.72	2392.26		2386.81	
01/11/16	0.86	0.72	2392.26		2386.81	
01/18/16	1.00	0.82	2393.10		2386.81	
01/25/16	1.46	0.91	2392.29		2386.81	
02/01/16	1.44	0.88	2392.30		2386.81	
02/08/16	1.10	0.8	2392.30		2386.81	
02/15/16	1.06	0.77	2392.30		2386.81	
02/22/16	1.27	0.8	2392.29		2386.81	
02/29/16	1.22	0.75	2392.29		2386.81	
03/07/16	1.24	0.78	2392.29		2386.81	
03/14/16	1.73	0.92	2400.85	turned up pump to 32 vdc to get WL back down	2386.87	
03/21/16	1.52	0.81	2392.33	pump 30 vdc	2386.81	
03/30/16	1.58	0.8	2392.31		2386.83	
04/04/16	1.60	0.76	2392.33		2386.82	
04/11/16	1.23	0.71	2392.30		2386.83	
04/18/16	1.09	0.63	2392.29		2386.83	
04/25/16	1.02	0.61	2392.29		2386.83	
05/02/16	0.95	0.58	2392.29		2386.83	
05/09/16	0.86	0.54	2392.28		2386.85	
05/16/16	0.83	0.56	2392.28		2386.85	
05/23/16	0.94	0.55	2392.28		2386.84	
05/31/16	0.82	0.52	2392.29		2386.85	
06/08/16	0.78	0.51	2392.29		2386.87	
06/14/16	0.75	0.51	2392.29		2386.87	

Western Drainage Alluvial Wells

Date	Pumping Rates PBW-01 (gpm)	Pumping Rates PBW-02 (gpm)	Water Levels ¹ PBW-01 (ft amsl)	PBW-01 Notes	Water Levels ¹ PBW-02 (ft amsl)	PBW-02 Notes
06/20/16	0.68	0.50	2392.29		2386.89	
06/27/16	0.73	0.49	2392.29		2386.89	
07/05/16	0.62	0.49	2392.30		2386.89	
07/11/16	0.70	0.52	2392.31		2386.90	
07/19/16	0.77	0.51	2392.31		2386.90	
07/25/16	0.70	0.51	2392.31		2386.90	
08/01/16	0.76	0.53	2392.31		2386.90	
08/08/16	0.73	0.49	2392.33		2386.90	
08/15/16	0.72	0.53	2392.33		2386.90	
08/23/16	0.70	0.51	2392.33		2386.90	
08/30/16	0.73	0.49	2392.33		2386.90	
09/06/16	0.73	0.48	2392.33		2386.91	
09/13/16	0.76	0.48	2392.33		2386.91	
09/26/16	0.74	0.45	2392.34		2386.91	
10/03/16	0.77	0.42	2392.34		2386.91	
10/10/16	0.77	0.41	2392.36		2386.90	
10/19/16	0.78	0.38	2392.34		2386.90	
10/24/16	0.83	0.34	2392.35		2386.91	
10/31/16	1.02	0.53	2392.35		2386.90	
11/07/16	0.90	0.49	2392.35		2386.91	
11/15/16	0.90	0.51	2392.35		2386.90	
12/01/16	0.92	0.51	2392.35		2386.91	
01/04/17	NM	NM	2392.34		2386.91	
01/06/17	0.82	0.48	NM		NM	
01/10/17	0.82	0.69	NM		NM	
01/16/17	0.83	0.58	NM		NM	
01/23/17	1.03	0.57	NM		NM	
01/24/17	NM	NM	2392.38		2386.87	
01/30/17	0.84	0.48	NM		NM	
02/07/17	0.83	0.49	NM		NM	
02/13/17	0.88	0.59	NM		NM	
02/22/17	1.32	0.79	NM		NM	
03/01/17	1.08	0.69	2392.30		2386.79	
03/06/17	1.04	0.70	NM		NM	
03/13/17	1.52	0.76	2392.31		2386.81	
03/20/17	1.28	0.76	NM		NM	
03/29/17	1.56	0.80	NM		NM	
04/04/17	1.08	0.74	NM		NM	
04/10/17	0.96	0.70	NM		NM	
04/17/17	1.32	0.76	NM		NM	
04/24/17	1.04	0.72	2392.30		2386.83	
05/01/17	0.72	0.74	NM		NM	
05/08/17	0.75	0.62	NM		NM	
05/15/17	0.73	0.50	NM		NM	
05/22/17	0.68	0.64	2392.31		2386.91	
05/30/17	0.61	0.54	NM		NM	
06/05/17	0.62	0.52	NM		NM	
06/12/17	0.54	0.52	NM		NM	
06/19/17	0.68	0.59	NM		NM	
06/20/17	NM	NM	2392.34		2386.90	
06/27/17	0.59	0.44	NM		NM	
07/05/17	0.46	0.50	NM		NM	
07/10/17	0.58	0.54	NM		NM	
07/12/17	NM	NM	2392.38		2386.90	
07/17/17	0.52	0.48	NM		NM	
07/25/17	0.48	0.44	NM		NM	
07/31/17	0.52	0.32	NM		NM	
08/07/17	0.62	0.47	NM		NM	
08/14/17	0.30	0.37	NM		NM	
08/15/17	NM	NM	2392.38		2386.91	
08/21/17	0.40	0.37	NM		NM	
08/28/17	0.56	0.32	NM		NM	
09/05/17	0.46	0.44	NM		NM	
09/11/17	0.40	0.35	2392.36		2387.53	
09/19/17	0.64	0.52	NM		NM	
09/25/17	0.43	0.48	NM		NM	
10/02/17	0.45	0.46	NM		NM	
10/04/17	NM	NM	2392.37		2388.87	
10/11/17	0.43	0.52	NM		NM	
10/16/17	0.38	0.42	NM		NM	
10/23/17	0.46	0.62	NM		NM	
10/30/17	0.45	0.45	NM		NM	
11/07/17	0.47	0.43	NM		NM	
11/10/17	NM	NM	2392.36		2386.90	
11/13/17	0.47	0.40	NM		NM	
11/20/17	0.49	0.57	NM		NM	
11/27/17	0.50	0.47	NM		NM	
12/04/17	0.50	0.57	NM		NM	
12/11/17	0.49	0.42	2392.37		2386.93	
12/18/17	0.54	0.44	NM		NM	
12/27/17	0.52	0.44	NM		NM	

Western Drainage Alluvial Wells

Date	Pumping Rates PBW-01 (gpm)	Pumping Rates PBW-02 (gpm)	Water Levels ¹ PBW-01 (ft amsl)	PBW-01 Notes	Water Levels ¹ PBW-02 (ft amsl)	PBW-02 Notes
01/03/18	0.52	0.32	NM		NM	
01/08/18	0.54	0.40	2392.35		2386.93	
01/15/18	0.57	0.40	NM		NM	
01/21/18	0.60	0.30	NM		NM	
01/28/18	0.68	0.79	NM		NM	
02/04/18	0.7	0.64	NM		NM	
02/11/18	0.67	0.59	NM		NM	
02/18/18	0.6	0.57	NM		NM	
02/19/18	NM	NM	2392.36		2386.73	
02/25/18	0.58	0.54	NM		NM	
03/04/18	0.60	0.65	NM		NM	
03/12/18	0.71	0.67	NM		NM	
03/18/18	0.74	0.60	NM		NM	
03/20/18	NM	NM	2392.37		2386.81	
03/25/18	0.72	0.57	NM		NM	
04/02/18	0.68	0.52	NM		NM	
04/08/18	0.67	0.47	NM		NM	
04/15/18	0.73	0.50	NM		NM	
04/23/18	0.71	0.48	NM		NM	
04/30/18	0.65	0.43	NM		NM	
05/08/18	0.54	0.46	NM		NM	
05/14/18	0.57	0.20	NM		NM	
05/22/18	0.58	0.34	2392.39		2386.87	
05/29/18	0.56	0.34	NM		NM	
06/04/18	0.54	0.45	NM		NM	
06/12/18	0.53	0.45	NM		NM	
06/18/18	0.47	0.49	NM		NM	
06/25/18	0.47	0.36	NM		NM	
07/02/18	0.52	0.34	2395.06		2386.91	
07/09/18	0.42	0.37	NM		NM	
07/16/18	0.39	0.24	NM		NM	
07/23/18	0.40	0.22	NM		NM	
07/30/18	0.40	0.52	NM		NM	
08/08/18	0.50	0.31	NM		NM	
08/13/18	0.40	0.29	NM		NM	
08/21/18	0.42	0.30	NM		NM	
08/27/18	0.42	0.29	NM		NM	
09/04/18	0.44	0.30	NM		NM	
09/05/18	NM	NM	2392.37		2387.43	
09/10/18	0.52	0.58	NM		NM	
09/17/18	0.42	0.48	NM		NM	
09/24/18	0.44	0.27	NM		NM	
10/02/18	0.46	0.29	NM		NM	
10/08/18	0.42	0.36	NM		NM	
10/15/18	0.46	0.36	NM		NM	
10/22/18	0.62	0.56	NM		NM	
10/29/18	0.51	0.52	NM		NM	
11/05/18	0.48	0.46	NM		NM	
11/12/18	0.47	0.38	NM		NM	
11/19/18	0.52	0.28	NM		NM	
11/20/18	NM	NM	2392.37		2386.83	
11/26/18	0.54	0.36	NM		NM	
12/03/18	0.52	0.28	NM		NM	
12/10/18	0.52	0.2	NM		NM	
12/19/18	0.54	0.14	NM		NM	
12/26/18	0.56	0.72	NM		NM	
12/31/18	0.6	0.34	NM		NM	
01/07/19	0.57	0.3	NM		NM	
01/14/19	0.52	0.36	NM		NM	
01/15/19	NM	NM	2392.38		2386.87	
01/21/19	0.52	0.38	NM		NM	
01/28/19	0.45	0.36	NM		NM	
02/04/19	0.5	0.34	NM		NM	
02/11/19	0.5	0.29	NM		NM	
02/18/19	0.5	0.34	NM		NM	
02/25/19	0.56	0.24	NM		NM	
03/04/19	0.54	0.34	NM		NM	
03/11/19	0.52	0.46	NM		NM	
03/18/19	0.54	0.57	NM		NM	
03/19/19	NM	NM	2392.38		2386.90	
03/25/19	0.67	0.64	NM		NM	
04/01/19	0.62	0.64	NM		NM	
04/08/19	0.64	0.65	NM		NM	
04/15/19	0.65	0.76	NM		NM	
04/22/19	0.60	0.68	NM		NM	
04/29/19	0.54	0.64	NM		NM	
05/06/19	0.49	0.62	NM		NM	
05/13/19	0.56	0.58	2392.38		2386.91	
05/20/19	0.58	0.58	NM		NM	
05/30/19	0.56	0.32	NM		NM	
06/03/19	0.54	0.32	NM		NM	

Western Drainage Alluvial Wells

Date	Pumping Rates PBW-01 (gpm)	Pumping Rates PBW-02 (gpm)	Water Levels ¹ PBW-01 (ft amsl)	PBW-01 Notes	Water Levels ¹ PBW-02 (ft amsl)	PBW-02 Notes
06/11/19	0.57	0.32	NM		NM	
06/17/19	0.54	0.30	NM		NM	
06/24/19	0.56	0.26	NM		NM	
07/01/19	0.52	0.24	NM		NM	
07/09/19	0.54	0.23	NM		NM	
07/15/19	0.58	0.71	NM		NM	
07/22/19	0.56	0.62	2392.38		2399.51	on timer 1 hour on, 2 hours off
07/29/19	0.58	0.72	NM		NM	
08/05/19	0.58	0.73	NM		NM	
08/13/19	0.64	0.72	NM		NM	
08/19/19	0.60	0.71	NM		NM	
08/27/19	0.68	0.74	NM		NM	
09/03/19	0.58	0.62	NM		NM	
09/09/19	0.64	0.68	NM		NM	
09/16/19	0.73	0.68	NM		NM	
09/17/19	NM	NM	2392.37		2386.81	
09/23/19	0.52	0.54	NM		NM	
09/30/19	0.58	0.60	NM		NM	
10/07/19	0.60	0.68	NM		NM	
10/16/19	0.58	0.56	NM		NM	
10/21/19	0.60	0.70	NM		NM	
10/26/19	0.54	0.60	NM		NM	
11/04/19	0.42	0.50	NM		NM	
11/11/19	0.46	0.77	NM		NM	
11/19/19	0.50	0.76	NM		NM	
11/20/19	NM	NM	2392.34		2386.87	
11/25/19	0.46	0.76	NM		NM	
12/02/19	0.45	0.78	NM		NM	
12/10/19	0.45	0.80	NM		NM	
12/16/19	0.45	0.82	NM		NM	
12/23/19	0.46	0.84	NM		NM	
12/30/19	0.45	1.00	NM		NM	
01/06/20	0.49	0.81	NM		NM	
01/13/20	0.46	0.78	NM		NM	
01/20/20	0.47	0.76	NM		NM	
01/26/20	0.52	0.98	NM		NM	
02/01/20	0.52	0.60	NM		NM	
02/09/20	0.58	0.60	NM		NM	
02/16/20	0.52	0.64	NM		NM	
02/17/20	NM	NM	2392.32		2386.79	
02/24/20	0.51	0.56	NM		NM	
03/02/20	0.50	0.49	NM		NM	
03/10/20	0.51	0.50	NM		NM	
03/16/20	0.49	0.50	NM		NM	
04/03/20	0.49	0.52	NM		NM	
04/06/20	0.48	0.46	NM		NM	
04/13/20	0.47	0.44	NM		NM	
04/20/20	0.52	0.48	2392.33		2386.81	
04/27/20	0.56	0.47	NM		NM	
05/04/20	0.46	0.42	NM		NM	
05/11/20	0.56	0.46	NM		NM	
05/19/20	0.57	0.49	NM		NM	
05/26/20	0.46	0.41	NM		NM	
06/01/20	0.57	0.61	NM		NM	
06/08/20	0.58	0.62	NM		NM	
06/15/20	0.61	0.54	NM		NM	
06/22/20	0.56	0.50	NM		NM	
06/29/20	0.49	0.48	NM		NM	
07/07/20	0.49	0.50	NM		NM	
07/13/20	0.52	0.48	NM		NM	
07/14/20	NM	NM	2392.34		2386.83	
07/20/20	0.50	0.45	NM		NM	
07/28/20	0.50	0.54	NM		NM	
08/04/20	0.38	0.49	NM		NM	
08/10/20	0.52	0.40	NM		NM	
08/18/20	0.50	0.46	NM		NM	
08/24/20	0.52	0.38	NM		NM	
08/31/20	0.72	0.38	NM		NM	
09/08/20	0.48	0.43	NM		NM	
09/17/20	0.47	0.42	NM		NM	
09/21/20	0.50	0.32	NM		NM	
10/01/20	0.64	0.39	2392.35		2386.87	
10/05/20	0.61	0.34	NM		NM	
10/12/20	0.46	0.37	NM		NM	
10/27/20	0.50	0.64	NM		NM	
11/09/20	0.44	0.45	NM		NM	
11/16/20	0.48	0.38	NM		NM	
11/23/20	0.52	0.38	NM		NM	
12/07/20	0.64	0.33	NM		NM	
12/14/20	0.54	0.32	NM		NM	
12/21/20	0.50	0.32	NM		NM	

Western Drainage Alluvial Wells

Date	Pumping Rates PBW-01 (gpm)	Pumping Rates PBW-02 (gpm)	Water Levels ¹ PBW-01 (ft amsl)	PBW-01 Notes	Water Levels ¹ PBW-02 (ft amsl)	PBW-02 Notes
12/28/20	0.42	0.30	NM		NM	
01/04/21	0.68	0.42	NM		NM	
01/11/21	0.54	0.38	NM		NM	
01/18/21	0.74	0.36	NM		NM	
01/31/21	0.44	0.34	NM		NM	
02/03/21	NM	NM	2392.37		2387.83	
02/08/21	0.56	0.44	NM		NM	
02/16/21	0.58	0.47	NM		NM	
02/22/21	0.64	0.51	NM		NM	
03/01/21	0.52	0.50	NM		NM	
03/08/21	0.52	0.40	NM		NM	
03/15/21	0.52	0.40	NM		NM	
03/22/21	0.52	0.34	NM		NM	
03/29/21	0.51	0.38	NM		NM	
04/05/21	0.51	0.52	NM		NM	
04/12/21	0.67	0.41	NM		NM	
04/19/21	0.47	0.36	NM		NM	
04/27/21	0.48	0.37	NM		NM	
04/28/21	0.48	0.37	2392.36		2386.85	
05/03/21	0.50	0.48	NM		NM	
05/11/21	0.48	0.24	NM		NM	
05/17/21	0.42	0.12	NM		NM	
05/24/21	0.56	0.24	NM		NM	

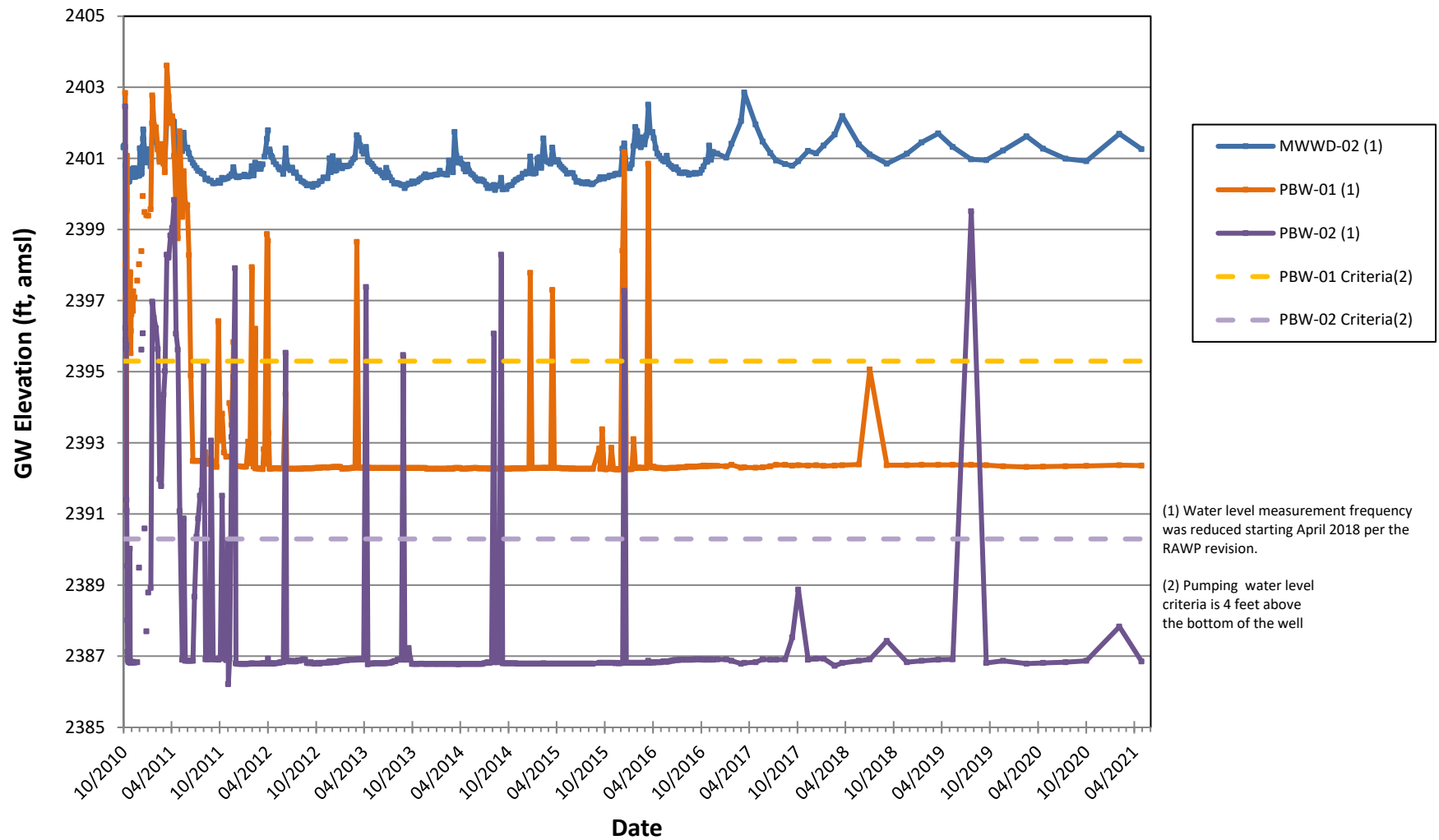
¹ Pumping criteria water level is four feet above the bottom of the well

PBW-01 Criteria = 2395.34; PBW-02 Criteria = 2390.25

* Late August/early Sept 2015 measurements not taken due site closure from fire conditions

NM = not measured on that date

Figure 1
Groundwater Elevations at Western Drainage Wells



ATTACHMENT 2

Project: ~~11/11~~

Date: 5-14-2021

Inspector: Colton Peone

MONTHLY FENCE INSPECTION

SUMMARY OF FINDINGS:

Trees and holes all along east side fence

EVIDENCE OF WILDLIFE:

holes, scrape marks

GATES SECURE? ISSUES?

Yes, no issues

MAINTENANCE NEEDED: (MARK RATING ON MAP)

none, fixed on site

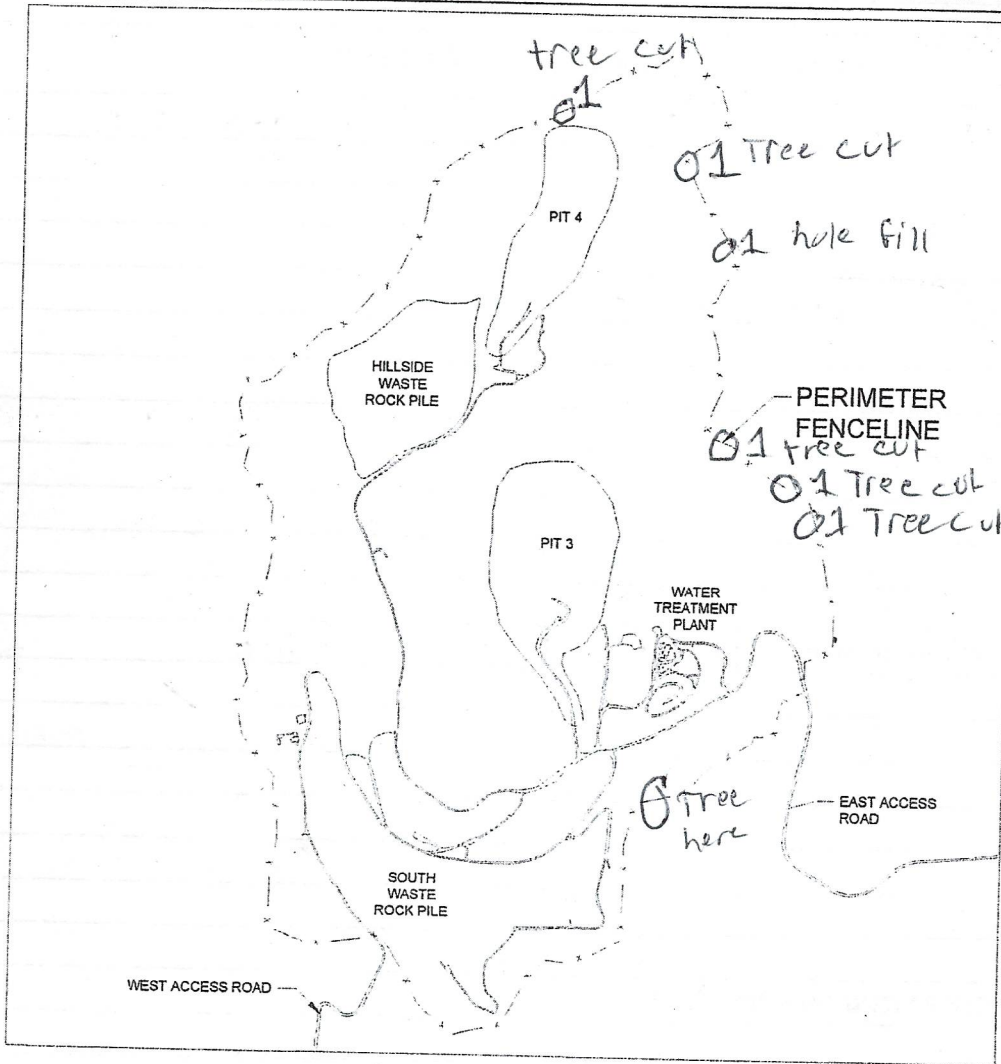
MAINTENANCE COMPLETED: (CIRCLE RATING ON MAP)

Yes

COMMENTS:

Thick brush, Poison oak stopped us from completing mission

INDICATE ON MAP AREAS OF NEEDED MAINTENANCE/COMPLETED MAINTENANCE USING RATING



SCALE IN FEET
0 2000

- 1- Fixed at time of inspection ;No further maintenance needed
- 2- Temporarily fixed and functional
- 3- Excessive damage that requires fencing contractor for repairs

*Circle rating if maintenance completed

Signature: _____

Colton Bone

Project: _____
Inspector: Hunter Adolph

Date: 5-16-21

MONTHLY FENCE INSPECTION

SUMMARY OF FINDINGS:

8 trees ~~cut with~~

EVIDENCE OF WILDLIFE:

N/A

GATES SECURE? ISSUES?

Good

MAINTANENCE NEEDED: (MARK RATING ON MAP)

~~A/A~~

Cut trees
with saw

MAINTANENCE COMPLETED:(CIRCLE RATING ON MAP)

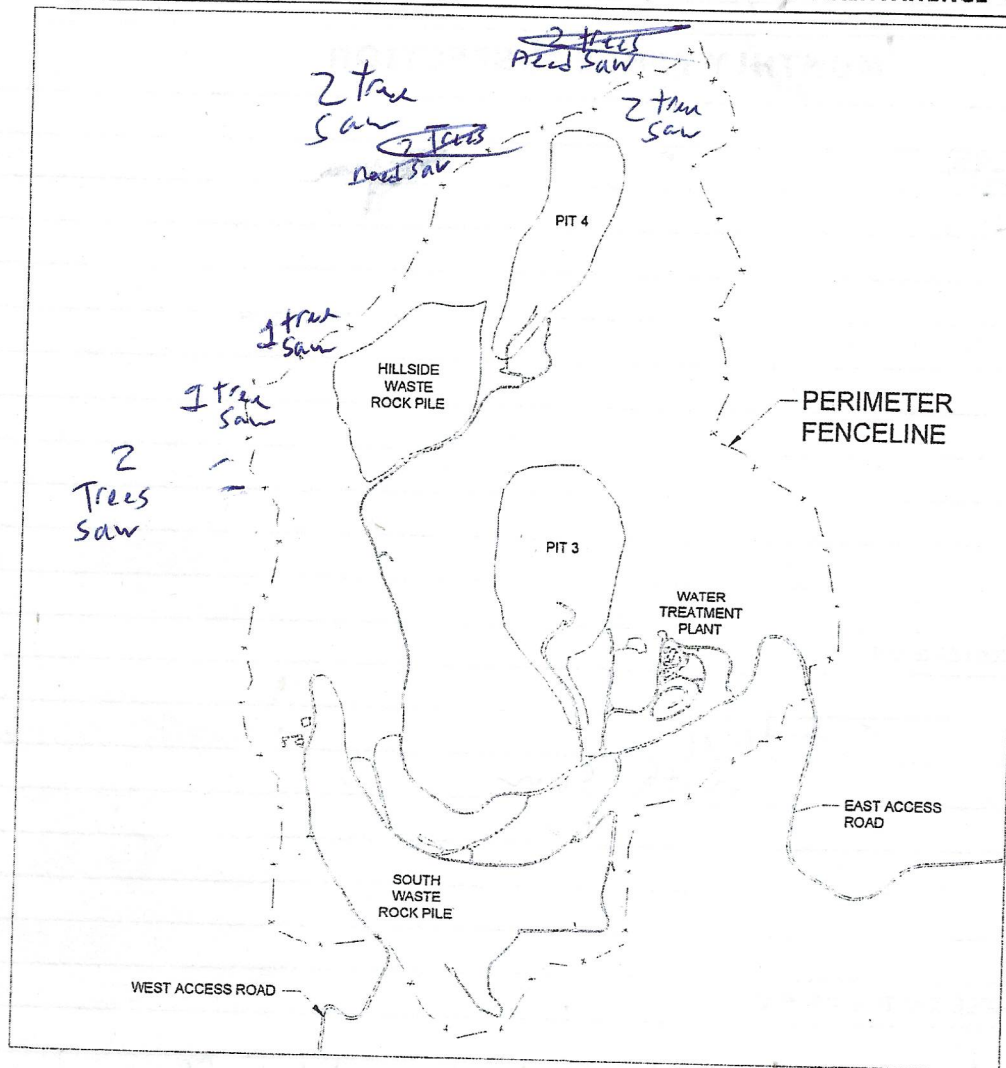
~~A/A~~

All Trees cut and pushed off
Fence secure

COMMENTS:

N/A

INDICATE ON MAP AREAS OF NEEDED MAINTENANCE/COMPLETED MAINTENANCE USING RATING



SCALE IN FEET



- 1- Fixed at time of inspection ;No further maintenance needed
- 2- Temporarily fixed and functional
- 3- Excessive damage that requires fencing contractor for repairs

*Circle rating if maintenance completed

Signature: _____

[Handwritten Signature]

ATTACHMENT 3

Midnite WTP Effluent ON-SITE WQ 2021

Sample ID	Collect Date	pH field	mg/L total							pCi/L	
			Cadmium	COD	Copper ¹	Manganese	TSS	Uranium	Zinc	Ra-226, diss ¹	Ra-226, total
ONS Standards		6.0-9.0	0.015 max; 0.010 avg	200 max; 100 avg	0.184 max; 0.126 avg	10 max; 3 avg	30 max; 20 avg	4.00 max; 2.00 avg	1.00 max; 0.50 avg	10 max; 3 avg	30 max; 10 avg
WTP-ONS/EFFL/01	04/28/21	6.36	0.000700	2.34	0.000348	0.141	<1	0.0241	0.000505	<0.2	0.2
WTP-ONS/EFFL/01	05/11/21	6.46	0.000085	<1.3	0.000810 J+	0.0576	2.20	0.00770	0.000767	0.3	<0.2

¹ J+ qualifier (estimated, high bias) is assigned due to presence of analyte in field blank > MDL; associated sample is < 10x amount found in field blank.

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Client: Dawn Mining Co., LLC. - Midnite Mine
Address: P.O. Box 250
Ford, WA 99013
Attn: Bobby Nelson

Work Order: WBD1056
Project: WO# MM1320
Reported: 5/18/2021 10:20

Analytical Results Report

Sample Location: WTP-ONS/EFFL/01
Lab/Sample Number: WBD1056-01 **Collect Date:** 04/28/21 11:30
Date Received: 04/28/21 14:06 **Collected By:** R.W. Abrahamson
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
COD	2.34	mg/L	1.30	5.00	5/1/21 11:00	MMS	EPA 410.4	
TSS	<1	mg/L	1.00	1.00	4/30/21 16:10	BAS	SM 2540 D	
Metals by ICP-MS								
Cadmium	0.000700	mg/L	0.0000100	0.00100	4/30/21 13:55	TRC	EPA 200.8	
Copper	0.000348	mg/L	0.0000300	0.00100	4/30/21 13:55	TRC	EPA 200.8	
Manganese	0.141	mg/L	0.0000500	0.00100	4/30/21 13:55	TRC	EPA 200.8	
Uranium(mass)	0.0241	mg/L	0.0000500	0.00100	4/30/21 13:55	TRC	EPA 200.8	
Zinc	0.000505	mg/L	0.000300	0.00100	4/30/21 13:55	TRC	EPA 200.8	

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Analytical Results Report

(Continued)

Sample Location: WTP-ONS/EFFL/02
Lab/Sample Number: WBD1056-02 Collect Date: 04/28/21 11:30
Date Received: 04/28/21 14:06 Collected By: R.W. Abrahamson
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
COD	2.41	mg/L	1.30	5.00	5/1/21 11:00	MMS	EPA 410.4	
TSS	<1	mg/L	1.00	1.00	4/30/21 16:10	BAS	SM 2540 D	
Metals by ICP-MS								
Cadmium	0.000637	mg/L	0.0000100	0.00100	4/30/21 13:59	Metals	EPA 200.8	
Copper	0.000328	mg/L	0.0000300	0.00100	4/30/21 14:02	TRC	EPA 200.8	
Manganese	0.142	mg/L	0.0000500	0.00100	4/30/21 14:02	TRC	EPA 200.8	
Uranium(mass)	0.0239	mg/L	0.0000500	0.00100	4/30/21 14:02	TRC	EPA 200.8	
Zinc	0.000740	mg/L	0.000300	0.00100	4/30/21 13:59	Metals	EPA 200.8	

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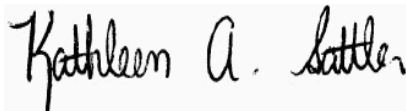
Analytical Results Report

(Continued)

Sample Location: WTP-ONS/EFFL/03
Lab/Sample Number: WBD1056-03 Collect Date: 04/28/21 12:00
Date Received: 04/28/21 14:06 Collected By: R.W. Abrahamson
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
COD	<1.3	mg/L	1.30	5.00	5/1/21 11:00	MMS	EPA 410.4	
TSS	<1	mg/L	1.00	1.00	4/30/21 16:10	BAS	SM 2540 D	
Metals by ICP-MS								
Cadmium	<0.00001	mg/L	0.0000100	0.00100	4/30/21 14:04	TRC	EPA 200.8	
Copper	<0.00003	mg/L	0.0000300	0.00100	4/30/21 14:04	TRC	EPA 200.8	
Manganese	<0.00005	mg/L	0.0000500	0.00100	4/30/21 14:04	TRC	EPA 200.8	
Uranium(mass)	<0.00005	mg/L	0.0000500	0.00100	4/30/21 14:04	TRC	EPA 200.8	
Zinc	<0.0003	mg/L	0.000300	0.00100	4/30/21 14:04	TRC	EPA 200.8	

Authorized Signature,



Kathleen Sattler, Laboratory Manager

PQL Practical Quantitation Limit
ND Not Detected
MDL Method Detection Limit
Dry Sample results reported on a dry weight basis
* Not a state-certified analyte

This report shall not be reproduced except in full, without the written approval of the laboratory
The results reported related only to the samples indicated.

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Certifications

Code	Description	Facility	Number
W WA DOE	Washington Department of Ecology	Anatek-Spokane, WA	C585

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Quality Control Data

Inorganics

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBD0957 - W COD										
Blank (BBD0957-BLK1)	Prepared & Analyzed: 5/1/2021									
COD	ND		5.00	mg/L						
LCS (BBD0957-BS1)	Prepared & Analyzed: 5/1/2021									
COD	99.6		5.00	mg/L	100		99.6	90-110		
LCS Dup (BBD0957-BSD1)	Prepared & Analyzed: 5/1/2021									
COD	100		5.00	mg/L	100		100	90-110	0.532	20
Duplicate (BBD0957-DUP1)	Source: WBD1056-01 Prepared & Analyzed: 5/1/2021									
COD	ND		5.00	mg/L	2.34					20
Matrix Spike (BBD0957-MS1)	Source: WBD1056-02 Prepared & Analyzed: 5/1/2021									
COD	106		10.0	mg/L	100	ND	106	80-120		
Matrix Spike Dup (BBD0957-MSD1)	Source: WBD1056-02 Prepared & Analyzed: 5/1/2021									
COD	104		10.0	mg/L	100	ND	104	80-120	1.52	20
Batch: BBE0094 - W Filtration										
Blank (BBE0094-BLK1)	Prepared & Analyzed: 4/30/2021									
TSS	<1		1.00	mg/L						
Blank (BBE0094-BLK2)	Prepared & Analyzed: 4/30/2021									
TSS	<1		1.00	mg/L						
Blank (BBE0094-BLK3)	Prepared & Analyzed: 4/30/2021									
TSS	<1		1.00	mg/L						

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Quality Control Data (Continued)

Inorganics (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBE0094 - W Filtration (Continued)										
LCS (BBE0094-BS1)					Prepared & Analyzed: 4/30/2021					
TSS	102			mg/L	100		102	90-110		
LCS (BBE0094-BS2)					Prepared & Analyzed: 4/30/2021					
TSS	107			mg/L	100		107	90-110		
LCS Dup (BBE0094-BSD1)					Prepared & Analyzed: 4/30/2021					
TSS	99.0			mg/L	100		99.0	90-110	2.99	10
Duplicate (BBE0094-DUP1)					Prepared & Analyzed: 4/30/2021					
TSS	656		Source: WBD1037-02 2.00	mg/L		772			16.2	20
Matrix Spike (BBE0094-MS1)					Prepared & Analyzed: 4/30/2021					
TSS	100		Source: WBD1037-01 2.00	mg/L	100	3.00	97.0	80-120		
Matrix Spike Dup (BBE0094-MSD1)					Prepared & Analyzed: 4/30/2021					
TSS	106		Source: WBD1037-01 2.00	mg/L	100	3.00	103	80-120	5.83	20

Quality Control Data (Continued)

Metals by ICP-MS

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBD0910 - W 3010 Digest										
Blank (BBD0910-BLK1)					Prepared: 4/29/2021 Analyzed: 4/30/2021					
Cadmium	ND		0.00100	mg/L						
Zinc	ND		0.00100	mg/L						
Uranium(mass)	ND		0.00100	mg/L						
Copper	ND		0.00100	mg/L						
Manganese	ND		0.00100	mg/L						
LCS (BBD0910-BS1)					Prepared: 4/29/2021 Analyzed: 4/30/2021					
Cadmium	0.0516		0.00100	mg/L	0.0500		103	85-115		
Copper	0.0520		0.00100	mg/L	0.0500		104	85-115		
Manganese	0.0508		0.00100	mg/L	0.0500		102	85-115		
Uranium(mass)	0.0498		0.00100	mg/L	0.0500		99.7	85-115		
Zinc	0.0484		0.00100	mg/L	0.0500		96.9	85-115		
Matrix Spike (BBD0910-MS1)					Prepared: 4/29/2021 Analyzed: 4/30/2021					
Zinc	0.0483		0.00100	mg/L	0.0500	<0.0003	96.7	70-130		
Uranium(mass)	0.0501		0.00100	mg/L	0.0500	<0.00005	100	70-130		
Manganese	0.0520		0.00100	mg/L	0.0500	<0.00005	104	70-130		
Copper	0.0525		0.00100	mg/L	0.0500	<0.00003	105	70-130		
Cadmium	0.0509		0.00100	mg/L	0.0500	<0.00001	102	70-130		
Matrix Spike Dup (BBD0910-MSD1)					Prepared: 4/29/2021 Analyzed: 4/30/2021					
Copper	0.0529		0.00100	mg/L	0.0500	<0.00003	106	70-130	0.826	20

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Quality Control Data (Continued)

Metals by ICP-MS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
---------	--------	------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------

Batch: BBD0910 - W 3010 Digest (Continued)

Matrix Spike Dup (BBD0910-MSD1)

Source: WBD1056-03

Prepared: 4/29/2021 Analyzed: 4/30/2021

Manganese	0.0523		0.00100	mg/L	0.0500	<0.00005	105	70-130	0.719	20
Cadmium	0.0511		0.00100	mg/L	0.0500	<0.00001	102	70-130	0.482	20
Zinc	0.0488		0.00100	mg/L	0.0500	<0.0003	97.6	70-130	0.996	20
Uranium(mass)	0.0500		0.00100	mg/L	0.0500	<0.00005	100	70-130	0.138	20

Chain of Custody Record

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Anatek
Log-In #

WBD1056



Due: 05/04/21

Turn A

Please refer . . .

<http://www.anateklabs.com/services/guidelines/reporting.asp>

☐ Normal *All rush order requests must be prior approved. ☐ Phone
☐ Next Day* ☒ Mail
☐ 2nd Day* ☐ Fax
☒ Other*see below ☒ Email

Provide Sample Description

Midnite Mine WTP ONS

List Analyses Requested

[illegible]

Note Special Instructions/Comments

Totals/Dissolved Analysis
Preserved HNO3/Cool/H2SO4
RUSH (by 5-3-21 5pm) Log in & Pre-Lim reports to
Bobby Nelson & Jill Richards
jill.richards@wm-env.com &
Rodney.Abrahamson@newmont.com

Zn, Cu, Cd	200.8	0.001mg/L
Unat, Mn,	200.8	0.001 mg/L
TSS, M2540D		

Inspection Checklist

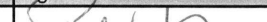

Received Intact?	Y	N
Labels & Chains Agree?	Y	N
Containers Sealed?	Y	N
VOC Head Space?	Y	N

Cooler Ice/Hand

Temperature (°C):	1.5	IR#1
Preservative:	H ₂ SO ₄	2002883
pH	~2	2001015
Date & Time:	4-28-21	11406
Inspected By:	KAS	

Company Name: Dawn Mining Co. LLC	Project Manager: Bobby Nelson
Address: PO Box 250	Project Name & # : WO#: mm1320
City: Ford State: WA Zip: 99013	Email Address : Robert.nelson@newmont.com
Phone: 509-258-4511	Purchase Order #: 3002317034
Fax: 509-258-4512	Sampler Name & phone: R.W Abrahamson 509-939-7089

[illegible]

	Printed Name	Signature	Company	Date	Time
Relinquished by	RW Abrahamsen		DMC	4-28-21	1406
Received by	Kathy Settler		Ametek labs	4-28-21	1406
Relinquished by					
Received by					
Relinquished by					
Received by					



ANALYTICAL SUMMARY REPORT

May 20, 2021

Dawn Mining Company
7513 West End Road
Wellpinit, WA 99040-5108

Work Order: C21050040 Quote ID: C5753

Project Name: WTP-ONS/EFFL WO# mm1321

Energy Laboratories, Inc. Casper WY received the following 3 samples for Dawn Mining Company on 5/3/2021 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C21050040-001	WTP-ONS/EFFL/01	04/28/21 11:30	05/03/21	Aqueous	Radium 226, Dissolved Radium 226, Total
C21050040-002	WTP-ONS/EFFL/02	04/28/21 11:30	05/03/21	Aqueous	Same As Above
C21050040-003	WTP-ONS/EFFL/03	04/28/21 12:00	05/03/21	Aqueous	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Report Approved By:



CLIENT: Dawn Mining Company
Project: WTP-ONS/EFFL WO# mm1321
Work Order: C21050040

Report Date: 05/20/21

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS

The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS

Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Dawn Mining Company
Client Sample ID: WTP-ONS/EFFL/01
Project: WTP-ONS/EFFL WO# mm1321
Matrix: Aqueous

Lab ID: C21050040-001
Collection Date: 04/28/21 11:30
Date Received: 05/03/21
Report Date: 05/20/21

Analyses	Result	Units	QUAL	RL	MCL	Method	Analysis Date / By	Prep Date	Prep Method	RunID	Run Order	BatchID
RADIONUCLIDES, DISSOLVED												
Radium 226	-0.01	pCi/L	U			E903.0	05/10/21 10:31 / amm			G5000W_210504A : 3		RA226-10034
Radium 226 precision (±)	0.1	pCi/L				E903.0	05/10/21 10:31 / amm			G5000W_210504A : 3		RA226-10034
Radium 226 MDC	0.2	pCi/L				E903.0	05/10/21 10:31 / amm			G5000W_210504A : 3		RA226-10034
RADIONUCLIDES, TOTAL												
Radium 226	0.2	pCi/L				E903.0	05/10/21 10:31 / amm			G5000W_210504A : 6		RA226-10034
Radium 226 precision (±)	0.1	pCi/L				E903.0	05/10/21 10:31 / amm			G5000W_210504A : 6		RA226-10034
Radium 226 MDC	0.2	pCi/L				E903.0	05/10/21 10:31 / amm			G5000W_210504A : 6		RA226-10034

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit
U - Not detected at Minimum Detectable Concentration (MDC)

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Dawn Mining Company
Client Sample ID: WTP-ONS/EFFL/02
Project: WTP-ONS/EFFL WO# mm1321
Matrix: Aqueous

Lab ID: C21050040-002
Collection Date: 04/28/21 11:30
Date Received: 05/03/21
Report Date: 05/20/21

Analyses	Result	Units	QUAL	RL	MCL	Method	Analysis Date / By	Prep Date	Prep Method	RunID	Run Order	BatchID
RADIONUCLIDES, DISSOLVED												
Radium 226	-0.009	pCi/L	U			E903.0	05/10/21 10:31 / amm			G5000W_210504A : 4		RA226-10034
Radium 226 precision (±)	0.1	pCi/L				E903.0	05/10/21 10:31 / amm			G5000W_210504A : 4		RA226-10034
Radium 226 MDC	0.2	pCi/L				E903.0	05/10/21 10:31 / amm			G5000W_210504A : 4		RA226-10034
RADIONUCLIDES, TOTAL												
Radium 226	0.2	pCi/L	U			E903.0	05/10/21 10:31 / amm			G5000W_210504A : 7		RA226-10034
Radium 226 precision (±)	0.1	pCi/L				E903.0	05/10/21 10:31 / amm			G5000W_210504A : 7		RA226-10034
Radium 226 MDC	0.2	pCi/L				E903.0	05/10/21 10:31 / amm			G5000W_210504A : 7		RA226-10034

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit
U - Not detected at Minimum Detectable Concentration (MDC)

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Dawn Mining Company
Client Sample ID: WTP-ONS/EFFL/03
Project: WTP-ONS/EFFL WO# mm1321
Matrix: Aqueous

Lab ID: C21050040-003
Collection Date: 04/28/21 12:00
Date Received: 05/03/21
Report Date: 05/20/21

Analyses	Result	Units	QUAL	RL	MCL	Method	Analysis Date / By	Prep Date	Prep Method	RunID	Run Order	BatchID
RADIONUCLIDES, DISSOLVED												
Radium 226	0.02	pCi/L	U			E903.0	05/10/21 10:31 / amm			G5000W_210504A : 5		RA226-10034
Radium 226 precision (±)	0.1	pCi/L				E903.0	05/10/21 10:31 / amm			G5000W_210504A : 5		RA226-10034
Radium 226 MDC	0.2	pCi/L				E903.0	05/10/21 10:31 / amm			G5000W_210504A : 5		RA226-10034
RADIONUCLIDES, TOTAL												
Radium 226	0.3	pCi/L				E903.0	05/10/21 10:31 / amm			G5000W_210504A : 8		RA226-10034
Radium 226 precision (±)	0.2	pCi/L				E903.0	05/10/21 10:31 / amm			G5000W_210504A : 8		RA226-10034
Radium 226 MDC	0.2	pCi/L				E903.0	05/10/21 10:31 / amm			G5000W_210504A : 8		RA226-10034

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit
U - Not detected at Minimum Detectable Concentration (MDC)

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



ANALYTICAL QC SUMMARY REPORT

Client: Dawn Mining Company

Prepared by Casper, WY Branch

Work Order: C21050040

BatchID: RA226-10034

Date: 14-May-21

Run ID :Run Order: G5000W_210504A: 1	SampType: Laboratory Control Sample				Lab ID: LCS-RA226-10034				Method: E903.0		
Analysis Date: 05/10/21 10:31	Units: pCi/L				Prep Info: Prep Date:				Prep Method:		
Analytes 3	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium 226	9.1		10.23	0	88	70	130				
Radium 226 precision (±)	1.8			0							
Radium 226 MDC	0.19			0							
Associated samples: C21050040-001A, C21050040-001B, C21050040-002A, C21050040-002B, C21050040-003A, C21050040-003B											

Run ID :Run Order: G5000W_210504A: 2	SampType: Method Blank				Lab ID: MB-RA226-10034				Method: E903.0		
Analysis Date: 05/10/21 10:31	Units: pCi/L				Prep Info: Prep Date:				Prep Method:		
Analytes 3	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium 226	0.1										U
Radium 226 precision (±)	0.1										
Radium 226 MDC	0.2										
Associated samples: C21050040-001A, C21050040-001B, C21050040-002A, C21050040-002B, C21050040-003A, C21050040-003B											

Run ID :Run Order: G5000W_210504A: 11	SampType: Sample Duplicate				Lab ID: C21040317-001ADUP				Method: E903.0		
Analysis Date: 05/10/21 10:31	Units: pCi/L				Prep Info: Prep Date:				Prep Method:		
Analytes 3	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium 226	110			0				105.9	1.5	30	
Radium 226 precision (±)	20			0				19.89			
Radium 226 MDC	0.19			0				0.1826			
Associated samples: C21050040-001A, C21050040-001B, C21050040-002A, C21050040-002B, C21050040-003A, C21050040-003B											

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limit
R - RPD outside accepted recovery limits

N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than four times the spike amount



Work Order Receipt Checklist

Dawn Mining Company

C21050040

Login completed by: Kirsten L. Smith

Date Received: 5/3/2021

Reviewed by: Misty Stephens

Received by: cml

Reviewed Date: 5/3/2021

Carrier name: NDA

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all shipping container(s)/cooler(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Not Applicable <input type="checkbox"/>
Container/Temp Blank temperature:	18.2°C No Ice		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None

PLEASE PRINT - Provide as much information as possible.

Company Name: Dawn Mining Company LLC		WTP-ONS/IEFFL WO# mm1321		Sample Origin State: WA		EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>	
Report Mail Address: PO Box 250 Ford WA 99013		Contact Name: Bobby Nelson		Phone/Fax: 509-936-5272		Email: Robert.nelson@newm ont.com	
Invoice Address: See above		Invoice Contact & Phone: See above		Purchase Order: 3002317033		Quote/Bottle Order: 4785	
Special Report/Formats - ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC		Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other		ANALYSIS REQUESTED			
				Total - Ra-226 Dissolved- Ra-226			
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX	HNO3 preserved		SEE ATTACHED
WTP-ONS/IEFFL01		4-28-21	1130	2 W	X	X	X
WTP-ONS/IEFFL02		4-28-21	1130	2 W	X	X	X
WTP-ONS/IEFFL03		4-28-21	1200	2 W	X	X	X
5							
6							
7							
8							
9							
10							
Custody Record MUST be Signed		Retinquired by (print): R.W. Abrahamson		Date/Time: 4-28-21 / 1220		Signature: <i>R.W. Abrahamson</i>	
Sample Disposal: Return to Client		Lab Disposal: X		Received by Laboratory: <i>Carla</i>		Date/Time: 4/30/21 9:53	
				Signature: <i>Carla</i>			

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Anatek Labs, Inc.

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Client: Dawn Mining Co., LLC. - Midnite Mine
Address: P.O. Box 250
Ford, WA 99013
Attn: Bobby Nelson

Work Order: WBE0446
Project: WO# mm1323
Reported: 5/18/2021 10:18

Analytical Results Report

Sample Location: WTP-ONS/EFFL/01
Lab/Sample Number: WBE0446-01 **Collect Date:** 05/11/21 13:40
Date Received: 05/12/21 11:25 **Collected By:** R.W. Abrahamson
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
COD	<1.3	mg/L	1.30	5.00	5/14/21 8:00	ARY	EPA 410.4	
TSS	2.20	mg/L	0.200	0.200	5/14/21 10:15	BAS	SM 2540 D	
Metals by ICP-MS								
Cadmium	0.0000850	mg/L	0.0000100	0.00100	5/14/21 14:47	BAG	EPA 200.8	
Copper	0.000810	mg/L	0.0000300	0.00100	5/14/21 14:47	BAG	EPA 200.8	
Manganese	0.0576	mg/L	0.0000500	0.00100	5/14/21 14:47	BAG	EPA 200.8	
Uranium(mass)	0.00770	mg/L	0.0000500	0.00100	5/14/21 14:47	BAG	EPA 200.8	
Zinc	0.000767	mg/L	0.000300	0.00100	5/14/21 14:47	BAG	EPA 200.8	

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Analytical Results Report

(Continued)

Sample Location: WTP-ONS/EFFL/02
Lab/Sample Number: WBE0446-02 Collect Date: 05/11/21 13:40
Date Received: 05/12/21 11:25 Collected By: R.W. Abrahamson
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
COD	<1.3	mg/L	1.30	5.00	5/14/21 8:00	ARY	EPA 410.4	
TSS	2.60	mg/L	0.200	0.200	5/14/21 10:15	BAS	SM 2540 D	
Metals by ICP-MS								
Cadmium	0.0000750	mg/L	0.0000100	0.00100	5/14/21 14:51	BAG	EPA 200.8	
Copper	0.000911	mg/L	0.0000300	0.00100	5/14/21 14:51	BAG	EPA 200.8	
Manganese	0.0572	mg/L	0.0000500	0.00100	5/14/21 14:51	BAG	EPA 200.8	
Uranium(mass)	0.00766	mg/L	0.0000500	0.00100	5/14/21 14:51	BAG	EPA 200.8	
Zinc	0.000887	mg/L	0.000300	0.00100	5/14/21 14:51	BAG	EPA 200.8	

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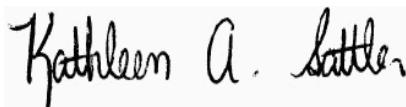
Analytical Results Report

(Continued)

Sample Location: WTP-ONS/EFFL/03
Lab/Sample Number: WBE0446-03 Collect Date: 05/11/21 14:00
Date Received: 05/12/21 11:25 Collected By: R.W. Abrahamson
Matrix: Water

Analyte	Result	Units	MDL	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics								
COD	<1.3	mg/L	1.30	5.00	5/14/21 8:00	ARY	EPA 410.4	
TSS	<1	mg/L	0.200	0.200	5/14/21 10:15	BAS	SM 2540 D	
Metals by ICP-MS								
Cadmium	<0.0001	mg/L	0.0000100	0.00100	5/14/21 14:53	BAG	EPA 200.8	
Copper	0.000688	mg/L	0.0000300	0.00100	5/14/21 14:53	BAG	EPA 200.8	
Manganese	0.000184	mg/L	0.0000500	0.00100	5/14/21 14:53	BAG	EPA 200.8	
Uranium(mass)	<0.00005	mg/L	0.0000500	0.00100	5/14/21 14:53	BAG	EPA 200.8	
Zinc	<0.0003	mg/L	0.000300	0.00100	5/14/21 14:53	BAG	EPA 200.8	

Authorized Signature,



Kathleen Sattler, Laboratory Manager

B4 Target analyte detected in blank at or above method acceptance criteria
PQL Practical Quantitation Limit
ND Not Detected
MDL Method Detection Limit
Dry Sample results reported on a dry weight basis
* Not a state-certified analyte
RPD Relative Percent Difference
%REC Percent Recovery
Source Sample that was spiked or duplicated.

This report shall not be reproduced except in full, without the written approval of the laboratory
The results reported related only to the samples indicated.

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Certifications

Code	Description	Facility	Number
W WA DOE	Washington Department of Ecology	Anatek-Spokane, WA	C585

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Quality Control Data

Inorganics

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBE0354 - W COD										
Blank (BBE0354-BLK1)	Prepared & Analyzed: 5/14/2021									
COD	1.51		5.00	mg/L						
LCS (BBE0354-BS1)	Prepared & Analyzed: 5/14/2021									
COD	101		5.00	mg/L	100		101	90-110		
LCS Dup (BBE0354-BSD1)	Prepared & Analyzed: 5/14/2021									
COD	102		5.00	mg/L	100		102	90-110	1.29	20
Duplicate (BBE0354-DUP1)	Source: WBE0446-02 Prepared & Analyzed: 5/14/2021									
COD	2.29		5.00	mg/L		<1.3				20
Matrix Spike (BBE0354-MS1)	Source: WBE0446-03 Prepared & Analyzed: 5/14/2021									
COD	101		10.0	mg/L	100	<1.3	101	80-120		
Matrix Spike Dup (BBE0354-MSD1)	Source: WBE0446-03 Prepared & Analyzed: 5/14/2021									
COD	98.2		10.0	mg/L	100	<1.3	98.2	80-120	3.15	20
Batch: BBE0495 - W Filtration										
Blank (BBE0495-BLK1)	Prepared & Analyzed: 5/14/2021									
TSS	ND		1.00	mg/L						
Blank (BBE0495-BLK2)	Prepared & Analyzed: 5/14/2021									
TSS	ND		1.00	mg/L						
Blank (BBE0495-BLK3)	Prepared & Analyzed: 5/14/2021									
TSS	ND		1.00	mg/L						

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Quality Control Data (Continued)

Inorganics (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBE0495 - W Filtration (Continued)										
LCS (BBE0495-BS1)					Prepared & Analyzed: 5/14/2021					
TSS	99.0			mg/L	100		99.0	90-110		
LCS (BBE0495-BS2)					Prepared & Analyzed: 5/14/2021					
TSS	95.0			mg/L	100		95.0	90-110		
LCS Dup (BBE0495-BSD1)					Prepared & Analyzed: 5/14/2021					
TSS	101			mg/L	100		101	90-110	2.00	10
LCS Dup (BBE0495-BSD2)					Prepared & Analyzed: 5/14/2021					
TSS	99.0			mg/L	100		99.0	90-110	4.12	10
Duplicate (BBE0495-DUP1)					Prepared & Analyzed: 5/14/2021					
TSS	38.0		1.00	mg/L		37.0			2.67	20
Duplicate (BBE0495-DUP2)					Prepared & Analyzed: 5/14/2021					
TSS	58.0		1.00	mg/L		57.0			1.74	20
Matrix Spike (BBE0495-MS1)					Prepared & Analyzed: 5/14/2021					
TSS	136		2.00	mg/L	100	27.0	109	80-120		
Matrix Spike (BBE0495-MS2)					Prepared & Analyzed: 5/14/2021					
TSS	178		2.00	mg/L	100	67.0	111	80-120		
Matrix Spike Dup (BBE0495-MSD1)					Prepared & Analyzed: 5/14/2021					
TSS	124		2.00	mg/L	100	27.0	97.0	80-120	9.23	20
Matrix Spike Dup (BBE0495-MSD2)					Prepared & Analyzed: 5/14/2021					
TSS	176		2.00	mg/L	100	67.0	109	80-120	1.13	20

Quality Control Data (Continued)

Metals by ICP-MS

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBE0415 - W 3010 Digest										
Blank (BBE0415-BLK1)					Prepared: 5/13/2021 Analyzed: 5/14/2021					
Copper	0.000510	B4	0.00100	mg/L						
Manganese	0.000123	B4	0.00100	mg/L						
Cadmium	ND		0.00100	mg/L						
Zinc	ND		0.00100	mg/L						
Uranium(mass)	ND		0.00100	mg/L						
LCS (BBE0415-BS1)					Prepared: 5/13/2021 Analyzed: 5/14/2021					
Cadmium	0.0493		0.00100	mg/L	0.0500		98.6	85-115		
Copper	0.0533		0.00100	mg/L	0.0500		107	85-115		
Manganese	0.0522		0.00100	mg/L	0.0500		104	85-115		
Uranium(mass)	0.0539		0.00100	mg/L	0.0500		108	85-115		

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - Fax (208) 8829246 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Quality Control Data (Continued)

Metals by ICP-MS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
---------	--------	------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------

Batch: BBE0415 - W 3010 Digest (Continued)

LCS (BBE0415-BS1)

Prepared: 5/13/2021 Analyzed: 5/14/2021

Zinc	0.0504		0.00100	mg/L	0.0500		101	85-115		
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Matrix Spike (BBE0415-MS1)

Source: WBE0446-03

Prepared: 5/13/2021 Analyzed: 5/14/2021

Copper	0.0551		0.00100	mg/L	0.0500	0.000688	109	70-130		
Cadmium	0.0501		0.00100	mg/L	0.0500	<0.0001	100	70-130		
Manganese	0.0533		0.00100	mg/L	0.0500	0.000184	106	70-130		
Zinc	0.0528		0.00100	mg/L	0.0500	<0.0003	106	70-130		
Uranium(mass)	0.0538		0.00100	mg/L	0.0500	<0.00005	108	70-130		

Matrix Spike Dup (BBE0415-MSD1)

Source: WBE0446-03

Prepared: 5/13/2021 Analyzed: 5/14/2021

Copper	0.0547		0.00100	mg/L	0.0500	0.000688	108	70-130	0.765	20
Cadmium	0.0512		0.00100	mg/L	0.0500	<0.0001	102	70-130	2.19	20
Manganese	0.0531		0.00100	mg/L	0.0500	0.000184	106	70-130	0.470	20
Uranium(mass)	0.0544		0.00100	mg/L	0.0500	<0.00005	109	70-130	1.02	20
Zinc	0.0526		0.00100	mg/L	0.0500	<0.0003	105	70-130	0.289	20

Chain of Custody Record

1282 Alturas Drive, Moscow ID 83843 (208) 883-2839 FAX 882-9246
504 E Sprague Ste D, Spokane WA 99202 (509) 838-3999 FAX 838-4433

Anatek
Log-In #

WBE0446



Due: 05/17/21

Turn Around

Please refer to our normal turn around times at:
<http://www.anateklabs.com/services/guidelines/reporting.asp>

<input type="checkbox"/> Normal	*All rush order	<input type="checkbox"/> Phone
<input type="checkbox"/> Next Day*	requests must be	<input type="checkbox"/> Mail
<input type="checkbox"/> 2nd Day*	prior approved.	<input type="checkbox"/> Fax
<input checked="" type="checkbox"/> Other*see below		<input type="checkbox"/> Email

Note Special Instructions/Comments	
------------------------------------	--

Totals/Dissolved Analysis
Preserved HNO3/Cool/H2SO4
RUSH (by 5-11-21 5pm) Log in & Pre-Lim reports to
Bobby Nelson & Jill Richards
jill.richards@wm-env.com &
Rodney.Abrahamson@newmont.com

Zn, Cu, Cd 200.8 0.001mg/L

Unat, Mn, 200.8	0.001 mg/L
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TSS, M2540D

3wbs

Inspection Checklist

Received Intact?	<u>Y</u>	N
Labels & Chains Agree?	<u>Y</u>	N
Containers Sealed?	<u>Y</u>	N
VOC Head Space?	Y	N

hd/c/i

Temperature ($^{\circ}\text{C}$): 11 1R1

Preservative: HNO3 (client) < 2

H₂SO₄ 200288342 pH 2001015

Date & Time: 5-12-21 1119

Inspected By: M/Cy

Company Name: Dawn Mining Co. LLC	Project Manager: Bobby Nelson
Address: PO Box 250	Project Name & # : WO#: mm1323
City: Ford State: WA Zip: 99013	Email Address : Robert.nelson@newmont.com
Phone: 509-258-4511	Purchase Order #: 3002317034
Fax: 509-258-4512	Sampler Name & phone: R.W Abrahamson 509-939-7089

Provide Sample Description

Midnite Mine WTP ONS

List Analyses Requested

[illegible][illegible]

	Printed Name	Signature	Company	Date	Time
Relinquished by	RW Asatianson	RW Asatianson	DNC	5-12-21	0940
Received by	Lee Mozysgal	Lee Mozysgal	DNC	5-12-21	0940
Relinquished by	Lee Mozysgal	Lee Mozysgal	DNC	5-12-21	1115
Received by	Wendy Oz	Wendy Oz	anastek	5/12/21	1115
Relinquished by					
Received by					



ANALYTICAL SUMMARY REPORT

June 03, 2021

Dawn Mining Company
7513 West End Road
Wellpinit, WA 99040-5108

Work Order: C21050593 Quote ID: C5753

Project Name: WTP-ONS/EFFL WO# mm1324

Energy Laboratories, Inc. Casper WY received the following 3 samples for Dawn Mining Company on 5/13/2021 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C21050593-001	WTP-ONS/EFFL/01	05/11/21 13:40	05/13/21	Aqueous	Radium 226, Dissolved Radium 226, Total
C21050593-002	WTP-ONS/EFFL/02	05/11/21 13:40	05/13/21	Aqueous	Same As Above
C21050593-003	WTP-ONS/EFFL/03	05/11/21 14:00	05/13/21	Aqueous	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Report Approved By:



CLIENT: Dawn Mining Company
Project: WTP-ONS/EFFL WO# mm1324
Work Order: C21050593

Report Date: 06/03/21

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS

The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS

Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Dawn Mining Company
Client Sample ID: WTP-ONS/EFFL/01
Project: WTP-ONS/EFFL WO# mm1324
Matrix: Aqueous

Lab ID: C21050593-001
Collection Date: 05/11/21 13:40
Date Received: 05/13/21
Report Date: 06/03/21

Analyses	Result	Units	QUAL	RL	MCL	Method	Analysis Date / By	Prep Date	Prep Method	RunID	Run Order	BatchID
RADIONUCLIDES, DISSOLVED												
Radium 226	0.3	pCi/L				E903.0	05/24/21 11:52 / amm			TENNELEC-4_210514A : 7		RA226-10051
Radium 226 precision (±)	0.1	pCi/L				E903.0	05/24/21 11:52 / amm			TENNELEC-4_210514A : 7		RA226-10051
Radium 226 MDC	0.2	pCi/L				E903.0	05/24/21 11:52 / amm			TENNELEC-4_210514A : 7		RA226-10051
RADIONUCLIDES, TOTAL												
Radium 226	0.05	pCi/L	U			E903.0	05/24/21 11:52 / amm			TENNELEC-4_210514A : 8		RA226-10051
Radium 226 precision (±)	0.1	pCi/L				E903.0	05/24/21 11:52 / amm			TENNELEC-4_210514A : 8		RA226-10051
Radium 226 MDC	0.2	pCi/L				E903.0	05/24/21 11:52 / amm			TENNELEC-4_210514A : 8		RA226-10051

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit
U - Not detected at Minimum Detectable Concentration (MDC)

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Dawn Mining Company
Client Sample ID: WTP-ONS/EFFL/02
Project: WTP-ONS/EFFL WO# mm1324
Matrix: Aqueous

Lab ID: C21050593-002
Collection Date: 05/11/21 13:40
Date Received: 05/13/21
Report Date: 06/03/21

Analyses	Result	Units	QUAL	RL	MCL	Method	Analysis Date / By	Prep Date	Prep Method	RunID	Run Order	BatchID
RADIONUCLIDES, DISSOLVED												
Radium 226	0.01	pCi/L	U			E903.0	05/24/21 11:52 / amm			TENNELEC-4_210514A : 9		RA226-10051
Radium 226 precision (±)	0.1	pCi/L				E903.0	05/24/21 11:52 / amm			TENNELEC-4_210514A : 9		RA226-10051
Radium 226 MDC	0.2	pCi/L				E903.0	05/24/21 11:52 / amm			TENNELEC-4_210514A : 9		RA226-10051
RADIONUCLIDES, TOTAL												
Radium 226	0.03	pCi/L	U			E903.0	05/24/21 11:52 / amm			TENNELEC-4_210514A : 10		RA226-10051
Radium 226 precision (±)	0.1	pCi/L				E903.0	05/24/21 11:52 / amm			TENNELEC-4_210514A : 10		RA226-10051
Radium 226 MDC	0.2	pCi/L				E903.0	05/24/21 11:52 / amm			TENNELEC-4_210514A : 10		RA226-10051

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit
U - Not detected at Minimum Detectable Concentration (MDC)

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Dawn Mining Company
Client Sample ID: WTP-ONS/EFFL/03
Project: WTP-ONS/EFFL WO# mm1324
Matrix: Aqueous

Lab ID: C21050593-003
Collection Date: 05/11/21 14:00
Date Received: 05/13/21
Report Date: 06/03/21

Analyses	Result	Units	QUAL	RL	MCL	Method	Analysis Date / By	Prep Date	Prep Method	RunID	Run Order	BatchID
RADIONUCLIDES, DISSOLVED												
Radium 226	-0.008	pCi/L	U			E903.0	05/24/21 11:52 / amm			TENNELEC-4_210514A : 11		RA226-10051
Radium 226 precision (±)	0.1	pCi/L				E903.0	05/24/21 11:52 / amm			TENNELEC-4_210514A : 11		RA226-10051
Radium 226 MDC	0.2	pCi/L				E903.0	05/24/21 11:52 / amm			TENNELEC-4_210514A : 11		RA226-10051
RADIONUCLIDES, TOTAL												
Radium 226	0.02	pCi/L	U			E903.0	05/24/21 11:52 / amm			TENNELEC-4_210514A : 12		RA226-10051
Radium 226 precision (±)	0.1	pCi/L				E903.0	05/24/21 11:52 / amm			TENNELEC-4_210514A : 12		RA226-10051
Radium 226 MDC	0.2	pCi/L				E903.0	05/24/21 11:52 / amm			TENNELEC-4_210514A : 12		RA226-10051

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit
U - Not detected at Minimum Detectable Concentration (MDC)

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



ANALYTICAL QC SUMMARY REPORT

Client: Dawn Mining Company

Prepared by Casper, WY Branch

Work Order: C21050593

BatchID: RA226-10051

Date: 27-May-21

Run ID :Run Order: TENNELEC-4_210514A: 1				SampType: Laboratory Control Sample				Lab ID: LCS-RA226-10051				Method: E903.0		
Analysis Date: 05/24/21 11:52				Units: pCi/L				Prep Info:		Prep Date:		Prep Method:		
Analytes 3				Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium 226				11		10.23	0	108	70	130				
Radium 226 precision (±)				2.1			0							
Radium 226 MDC				0.17			0							

Associated samples: C21050593-001A, C21050593-001B, C21050593-002A, C21050593-002B, C21050593-003A, C21050593-003B

Run ID :Run Order: TENNELEC-4_210514A: 2				SampType: Method Blank				Lab ID: MB-RA226-10051				Method: E903.0		
Analysis Date: 05/24/21 11:52				Units: pCi/L				Prep Info:		Prep Date:		Prep Method:		
Analytes 3				Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium 226				0.3										
Radium 226 precision (±)				0.1										
Radium 226 MDC				0.2										

Associated samples: C21050593-001A, C21050593-001B, C21050593-002A, C21050593-002B, C21050593-003A, C21050593-003B

Run ID :Run Order: TENNELEC-4_210514A: 15				SampType: Sample Duplicate				Lab ID: C21050602-004GDUP				Method: E903.0	
Analysis Date: 05/24/21 11:52				Units: pCi/L		Prep Info:		Prep Date:		Prep Method:			
Analytes 3		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Radium 226		0.057			0				0.2139	120	20	UR	
Radium 226 precision (±)		0.13			0				0.14				
Radium 226 MDC		0.21			0				0.2015				

Associated samples: C21050593-001A, C21050593-001B, C21050593-002A, C21050593-002B, C21050593-003A, C21050593-003B

- Duplicate RPD is outside of the acceptance range for this analysis. However, the RER is less than the limit of 2, the RER result is 0.81.

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limit
R - RPD outside accepted recovery limits

N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than four times the spike amount



Work Order Receipt Checklist

Dawn Mining Company

C21050593

Login completed by: Kirsten L. Smith

Date Received: 5/13/2021

Reviewed by: Misty Stephens

Received by: cml

Reviewed Date: 5/14/2021

Carrier name: NDA

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all shipping container(s)/cooler(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>
Container/Temp Blank temperature:	16.9°C	No Ice	
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

ATTACHMENT 4

Monthly Weather Summary for Midnite Mine

May 2021

Day of Month	Max Solar Rad (W/m ²)	Wind			Air Temperature			Relative Humidity			Precip. (in)
		Ave. (mph)	Ave Dir. (deg)	Max (mph)	Ave. (°F)	Max (°F)	Min (°F)	Ave. (%)	Max (%)	Min (%)	
5/1/2021	907	7.1	220	14.7	55	63	45	41	64	17	0.00
5/2/2021	1092	3.7	215	8.7	52	61	45	39	51	27	0.00
5/3/2021	858	5.8	185	13.7	53	59	43	40	61	27	0.00
5/4/2021	1090	5.6	209	11.2	54	62	45	40	58	29	0.00
5/5/2021	932	5.4	117	10.0	59	67	51	33	43	27	0.00
5/6/2021	877	9.2	143	15.6	65	77	56	29	43	17	0.00
5/7/2021	1034	7.8	219	15.5	47	53	40	50	72	28	0.00
5/8/2021	1040	5.8	229	14.4	46	53	37	45	72	27	0.00
5/9/2021	1090	4.6	171	9.4	51	59	42	40	52	26	0.00
5/10/2021	1141	4.5	154	9.8	55	62	46	40	56	26	0.00
5/11/2021	1004	4.0	145	11.4	57	66	48	39	56	24	0.00
5/12/2021	886	4.0	159	8.8	59	65	52	41	52	29	0.00
5/13/2021	987	5.1	166	11.7	60	71	50	46	61	28	0.00
5/14/2021	971	5.0	203	11.8	64	72	55	34	47	23	0.00
5/15/2021	1018	5.2	229	10.2	68	77	58	29	41	17	0.00
5/16/2021	881	4.7	207	12.7	69	79	60	29	45	17	0.00
5/17/2021	873	7.3	233	14.7	66	74	58	34	47	22	0.00
5/18/2021	1071	9.5	224	16.5	50	56	45	38	73	15	0.00
5/19/2021	1102	4.1	168	9.4	47	53	39	50	68	35	0.00
5/20/2021	903	5.3	117	10.5	45	48	40	72	94	57	0.33
5/21/2021	1156	6.4	51	10.7	50	59	41	46	68	35	0.00
5/22/2021	1022	5.3	98	10.3	54	63	48	43	59	33	0.00
5/23/2021	938	5.4	200	13.5	55	64	45	57	79	34	0.00
5/24/2021	998	5.5	222	15.7	55	66	45	57	80	34	0.00
5/25/2021	970	4.0	192	10.6	56	65	45	59	78	40	0.01
5/26/2021	1064	5.1	171	11.7	58	67	49	56	85	30	0.00
5/27/2021	909	10.3	180	20.1	57	64	48	47	62	26	0.00
5/28/2021	1116	5.8	191	15.0	51	59	40	51	78	34	0.00
5/29/2021	1107	4.1	177	10.0	59	68	48	38	54	23	0.00
5/30/2021	931	5.0	207	9.9	64	73	55	31	42	19	0.00
5/31/2021	902	4.4	228	8.8	71	81	61	29	38	22	0.00
MONTHLY STATISTICS											
Total											0.34
Ave.	996	6	182	12	57	65	48	43	61	27	
Max	1156	10.3	233	20.1	71	81	61	72	94	57	
Min	858	3.7	51	8.7	45	48	37	29	38	15	